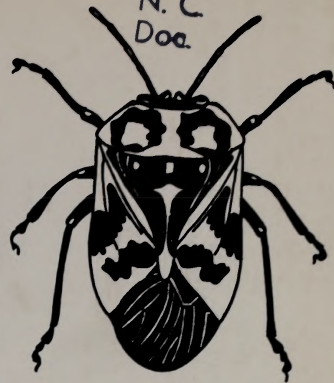
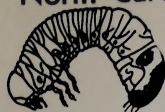


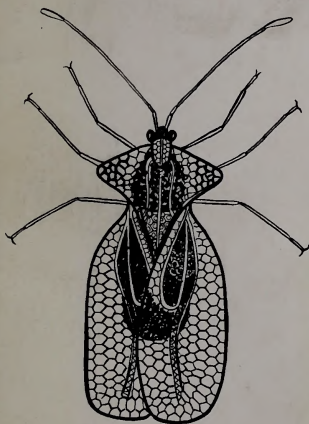
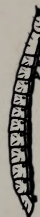
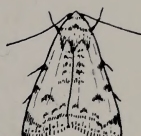
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North Carolina
INSECTICIDE REPORT
for 1965



THE BULLETIN

of the

North Carolina Department of Agriculture

JAMES A. GRAHAM, Commissioner

Number 184

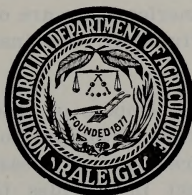
June, 1966

North Carolina

INSECTICIDE REPORT

for

January 1 - December 31, 1965



THE BULLETIN

of the

North Carolina Department of Agriculture

Raleigh, N. C.

JAMES A. GRAHAM, *Commissioner*

JOHN L. REITZEL, *Assistant Commissioner*

E. W. CONSTABLE, *State Chemist*

Number 184

June, 1966

INSECTICIDE REPORT

January 1 - December 31, 1962

ABOUT OUR COVER PICTURE

The insects on our cover represent only a small part of the species whose myriads of progeny wait annually to take over our crops, shrubbery and lawns. Seemingly as numerous are the insecticides needed to control and halt these pests. In North America there are over 3,000 economically important species of insects. Fortunately, one insecticide may control several species.

These lively insects keep developers of insecticides on their toes, however. New insecticides must be developed for those insects that develop immunity to existing chemical control measures. Too, the industry is continually striving to perfect insecticides to improve effectiveness and reduce residues which may be harmful.

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Inspection and Analysis of Economic Poisons

Economic poisons or pesticides cover a large number of materials and mixtures intended for destroying, controlling, or repelling pests such as insects, weeds and other noxious plants, predatory animals and birds, soil-infesting pests such as nematodes, algae, snails and bacteria. Other examples are disinfectants, antiseptics and fungicides for use other than on living man or other animals, defoliants, various repellents, fly paper and other adhesive products whose action goes beyond simple mechanics, moth proofers, wood preservatives other than common paints, mildew controls, and seed fumigants and disinfectants.

An adequate and reliable supply of these products is as indispensable as is fertilizer in the production of food and fiber crops. Weed killers and defoliants are important adjuncts. The preservation of many products in storage and the control of domestic and industrial pests which affect both the health and welfare of human beings and animals are likewise dependent on such materials.

While encouraging the development and distribution of reliable products to serve these needs, and with due regard for public health and welfare, it is the purpose of the economic poisons law (the North Carolina Insecticide, Fungicide and Rodenticide Act of 1947, G. S. Article 4A, Chapter 106) to protect the public from adulterated, misbranded, worthless and dangerous products, and legitimate manufacturers from unscrupulous competition. Among other requirements, the law authorizes inspections, analyses of official samples taken from products offered for sale within the state and publication of the results. With other pertinent information there is given in this issue of The Bulletin a list of registrants, a summary of registrations and detailed results of analyses of official samples taken throughout the state by inspectors of the department for the calendar year 1965. Included also are the North Carolina Aerial Crop-Dusting Law, regulations and registrants under that law, for 1965.

Before any brand of economic poison can be legally offered for sale in the state, it is required that it be registered with the Department of Agriculture. Application forms, furnished by the department, must be submitted in triplicate with copy of all labeling and claims. Applications must be accompanied by an inspection fee of ten dollars per brand and grade, payable to the North Carolina Department of Agriculture. All registrations expire December 31 of each year and are subject to re-registration with annual payment of inspection fees. Requirements are given in fuller detail in the "Brief of North Carolina Insecticide Law" on pages 7 and 8. Copies of the law and related regulations are available on request.

A statewide inspection service is maintained for the collection of official samples of economic poisons from farms, other users and dealers. Individual requests for inspections are followed up promptly.

Samples are sent to the department's laboratories for analysis and as soon as this work is completed, individual reports are forwarded to manufacturers, dealers and users. As a further means of reporting, an issue of The Bulletin covering a year's work as exemplified herewith, is published annually.

The economic poisons law gives control officials certain discretionary authority in dealing with borderline cases. The earnest cooperation of a great majority of manufacturers and dealers has been a valuable asset in the administration of the law.

Cooperative work by staff members of the North Carolina Experiment Station and Extension Service has been mutually beneficial and most helpful. Credit also is due members of the laboratory section for the highly satisfactory manner in which analytical work has been carried out: R. T. Teague, Assistant State Chemist; Henry W. Barnes, Jr., William Buffaloe, Jerry Dismukes, Thomas Vick, George Winstead III, Chemists; Mrs. Frances Liles, Secretary; Henry O. Austin, George A. Brown, Jr., A. G. Campbell, Jr., T. E. Carriker, Jr., H. C. McPhail, Thomas M. Parker, Inspectors; Wavely Lucas, Laboratory Helper.

Brief of North Carolina Insecticide Law

Commissioner of Agriculture, Raleigh, North Carolina.

Administrative
Officer

Information
Required to
Appear on
Package
Labels

1. The name and address of the guarantor.
2. The brand name or trademark.
3. The net weight or measure.
4. A guaranteed analysis statement showing:
 - a. The name and percentage of each active ingredient.
 - b. The total percentage of inert ingredients.
5. Instructions for use, adequate for the protection of public.
6. A warning or caution statement adequate to prevent injury.
7. For economic poisons highly toxic to man:
 - a. The skull and crossbones.
 - b. The word "Poison" in red, on distinctly contrasting background.
 - c. An antidote for the poison.
8. When arsenic is present—the percentage of the total and of the water-soluble arsenic separately and as elemental (metallic) arsenic.

Other General Requirements:

General
Requirements

1. Strength and quality must not fall below that professed or claimed.
2. No false or misleading statements, design or other representation is permissible.
3. Imitations are not permitted.
4. Labeling may not refer to registration.
5. Labeling shall be legible and understandable.
6. Claims or directions for use may not deviate in substance, or composition vary, from representations made on registering.
7. Economic poisons must be sold in the registrant's or manufacturer's original package. If repackaged for sale, it loses its original identity and qualifies as a new product. As such it is subject to registration and all other provisions of the law. Responsibility rests on the repackaging agent.

	8. Economic poisons in powdered form of white or light color require distinct further coloring for safety.
Registration	Each brand and grade of economic poisons must be registered prior to sale (application forms are furnished by the department), subject to renewal annually, January 1st. Duplication of registration by secondary sellers is not required. Application must be accompanied by full information (see package labeling above), including specimen of labeling, all claims, and, if called for, certain additional data when necessary in qualifying the product.
Inspection Tax	An annual inspection tax of \$10.00 for each brand and each grade is required.
Method of Paying	Inspection tax must accompany application for registration, payable to the North Carolina Department of Agriculture.
Refusal or Cancellation of Registration	Registration is subject to refusal or cancellation for cause and upon hearing.
Stop-Sale Orders	Goods not measuring up to requirements are subject to Stop-Sale Orders.
Short Weight	Short weight, in addition to above, is subject to penalty.

Exempt from Penalties of Law Are:

Exemptions	<ol style="list-style-type: none"> 1. Carriers engaged in legal transporting. 2. Public officials while performing official duties. 3. Manufacturers and shippers of products properly identified for experimental use only. 4. Persons shown to be proceeding in good faith on guarantees and representations given by others. The original guarantor then is liable.
------------	--

NOTE: Copies of the economic poisons law may be obtained upon request to the Inspection Division, North Carolina Department of Agriculture, Raleigh, North Carolina.

Economic Poisons Registrants, 1965

A-M-R CHEMICAL COMPANY, INC.
115 Jacobus Avenue
South Kearny, New Jersey

ACELINE PRODUCTS CORPORATION
P. O. Box 236
Rochester, New York

AERO-MASTER, INC.
325 W. Pacific Avenue
St. Louis 19, Missouri

AEROSOL INTERNATIONAL, INC.
3511 8th Avenue
Baltimore, Maryland

AIRKEM, INC.
P. O. Box 203
Carlstadt, New Jersey

AIROSOL COMPANY, INC.
525 N. 11th Street
Neodesha, Kansas

ALCO CHEMICAL COMPANY
19220 Pioneer Blvd.
Artesia, California

ALFORD HOME PRODUCTS
P. O. Box 239
Middlesex, North Carolina

ALLEN-CROWL COMPANY
1559 Allentown Road
Lima, Ohio

ALLIED CHEMICAL CORPORATION
Barrett Division
P. O. Box 270
Morristown, New Jersey

ALLIED CHEMICAL CORPORATION
General Chemical Division
P. O. Box 70
Morristown, New Jersey

ALLIED DRUG PRODUCTS COMPANY
P. O. Box 871
Chattanooga, Tennessee

ALLIED PRODUCERS & SUPPLY COMPANY
P. O. Box 15163
Charlotte, North Carolina

ALL STAR MILLS, INC.
P. O. Box 271
Albemarle, North Carolina

AMCHEM PRODUCTS, INC.
Ambler
Pennsylvania

AMERICAN CYANAMID COMPANY
Davis & Geck Division
One Casper Street
Danbury, Connecticut

AMERICAN CYANAMID COMPANY
P. O. Box 400
Princeton, New Jersey

AMERICAN CYANAMID COMPANY
Household Products Department
859 Berdan Avenue
Wayne, New Jersey

AMERICAN MACHINERY CORPORATION
P. O. Box 3228
Orlando, Florida

AMERICAN MINERAL SPIRITS COMPANY
Mountain Avenue
Murray Hill, New Jersey

AMERICAN OIL COMPANY
910 S. Michigan Avenue
Chicago 80, Illinois

AMERICAN PAPER & PLASTIC PRODUCTS, INC.
4425 N. Port Washington Road
Milwaukee, Wisconsin

AMERICAN SCIENTIFIC LABORATORIES, INC.
Div. of Schering Corp.
60 Orange Street
Bloomfield, New Jersey

AMERICAN STERILIZER COMPANY
2424 W. 23rd Street
Erie, Pennsylvania

AMWAY SALES CORPORATION
7575 E. Fulton Road
Ada, Michigan

ANDROC CHEMICAL COMPANY
7301 W. Lake Street
Minneapolis, Minnesota

ANIMAL REPELLENTS, INC.
980 Ellicott Street
Buffalo, New York.

ANSUL COMPANY, THE
One Stanton Street
Marinette, Wisconsin

APEX CHEMICAL COMPANY
617 Salem Street
Apex, North Carolina

ARBROOK
Div. of Ethicon, Inc.
Route #22
Somerville, New Jersey

ARMOUR AGRICULTURAL CHEMICAL COMPANY
908 Va. National Bank Bldg.
Norfolk, Virginia

ARMOUR AND COMPANY
100 S. Wacker Drive
Chicago, Illinois

ARNOTT CHEMICAL & EXTERMINATING CO., INC.
353 Mass. Avenue
Indianapolis, Indiana

ASPDEN ASSOCIATES, INC.
P. O. Box 1737
Greensboro, North Carolina

ATLA CHEMICAL COMPANY, INC.
P. O. Box 1761
Greensboro, North Carolina

ATLANTIC & PACIFIC TEA COMPANY THE GREAT
2024 Thrift Road
Charlotte, North Carolina

ATLAS AGRICULTURAL CHEMICALS, INC.
P. O. Box 169
Waynesboro, Georgia

AVRIL, INCORPORATED
Third & Greenwich Sts.
Reading, Pennsylvania

AYERST LABORATORIES, INC.
685 Third Avenue
New York, New York

BABBITT, B. T., INC.
20 Broadway
Albany 1, New York

BACON PRODUCTS COMPANY, INC.
P. O. Box 8127
Chattanooga, Tennessee

BARKER, MOORE & MEIN COMPANY,
INC.
P. O. Box 12
Lebanon, Pennsylvania

BAUER & BLACK
Div. of The Kendall Co.
309 W. Jackson Blvd.
Chicago 6, Illinois

BELL COMPANY, INC.
411 N. Wolcott Avenue
Chicago 22, Illinois

BEN VENUE LABORATORIES, INC.
270 Northfield Road
Bedford, Ohio

BERLOU MANUFACTURING COMPANY
421 Monroe Street
Marion, Ohio

BEST ENTERPRISES, LTD.
317 W. Pettigrew Street
Durham, North Carolina

BIO-LAB, INC.
627 E. College Avenue
Decatur, Georgia

BLACK LEAF PRODUCTS COMPANY
6147 N. Broadway
Chicago 40, Illinois

BLACK MAGIC COMPANY
P. O. Box 466
Valdosta, Georgia

BLUE MAGIC COMPANY OF N. C., INC.
509 S. Lodge Street
Wilson, North Carolina

BOHLENDER PLANT CHEMICALS, INC.
Tipp City
Ohio

BON AMI COMPANY, INC., THE
51 Garfield Street
Holyoke, Mass.

BONIDE CHEMICAL COMPANY, INC.
382 N. Genesee Street
Utica, New York

BORDEN COMPANY, THE
Tykor Products Div.
350 Madison Avenue
New York, New York

BORDERLAND PRODUCTS, INC.
560 Fulton Street
Buffalo, New York

BOYER CHEMICAL COMPANY
1611 Church Street
Evanston, Illinois

BOYLE-MIDWAY INC.
685 Third Avenue
New York 17, New York

BROWN MANUFACTURING COMPANY
1-3 Church Street
Le Roy, New York

BYRD, INC., F. M.
275 East Main Avenue
Gastonia, North Carolina

CALIFORNIA CHEMICAL COMPANY
(Now: Chevron Chemical Company)
Ortho Division
Richmond, California

CALUMET & HECLA, INC.
Calumet Division
1 Calumet Avenue
Calumet, Michigan

CAPE FEAR CHEMICALS, INC.
P. O. Box 695
Elizabethtown, North Carolina

CAPITOL CHEMICAL COMPANY
5455 Butler Road
Washington, D. C.

CARAJON CHEMICAL COMPANY, INC.
505 South Division
Fremont, Michigan

CARBOLA CHEMICAL COMPANY, INC.
Natural Bridge
New York

CARBOLINEUM WOOD PRESERVING
COMPANY
6683-N. 40th St.
Milwaukee, Wisconsin

CARDINAL CHEMICALS CO.,
Div. of Cardinal Products, Inc.
P. O. Box 1289
Durham, North Carolina

CARMEL CHEMICAL CORPORATION
P. O. Box 406
Westfield, Indiana

CAROLINA CHEMICAL CORPORATION
P. O. Box 70
Wilson, North Carolina

CAROLINA CHEMICALS, INC.
P. O. Box 118
West Columbia, South Carolina

CAROLINA FEED STORE
(Now: Carolina Garden & Farm Service,
Inc.)
279 E. Main Avenue
Gastonia, North Carolina

CAROLINA PACKING HOUSE SUPPLIES,
INC.
Green Sea Road
Tabor City, North Carolina

CARTER'S DRUGS & SEEDS
31 Barnard Street
Savannah, Georgia

CARTER INSECTICIDE & CHEMICAL
CO., INC.
126 W. Southerland
Wallace, North Carolina

CENTER CHEMICAL COMPANY
P. O. Box 1888
Atlanta, Georgia

CENTRAL CHEMICAL CORPORATION
49 N. Jonathan Street
Hagerstown, Maryland

CHAMBERS-GODFREY MFG. CO.
P. O. Box 288
Martin, Tennessee

CHAPMAN CHEMICAL COMPANY
P. O. Box 3158
Memphis, Tennessee

CHASE PRODUCTS COMPANY
(and/or S & S Prods. Div.)
19th & Gardner Road
Broadview, Illinois

CHEMAGRO CORPORATION
P. O. Box 4913
Kansas City, Missouri

CHEMICAL CORPORATION OF AMERICA
P. O. Box 1480
Sanford, Florida

CHEMICAL & EQUIPMENT SALES &
SERVICE COMPANY (CESSCO., INC.)
P. O. Box 135
Charlotte 1, North Carolina

CHEMICAL INSECTICIDE CORPORA-
TION
30 Whitman Avenue
Metuchen, New Jersey

CHEMISTRY HALL LABORATORIES
P. O. Box 255
Bradenton, Florida

CHEM-SALTS, INC.
P. O. Box 25
Powder Springs, Georgia

CHEMWAY CORPORATION
Fairfield Road
Wayne, New Jersey

CHESTER CHEMICAL CORPORATION
2732 6th Avenue, S.
St. Petersburg, Florida

CHIPMAN CHEMICAL COMPANY, INC.
P. O. Box 1065
Burlingame, California

CIBA CORPORATION
Route 208
Fair Lawn, New Jersey

CLARKE & PROCTOR TURPENTINE CO.,
INC.
331-349 Worth Street
Fayetteville, North Carolina

CLASSIC HOME PRODUCTS
Elizabeth City
North Carolina

CLEAN HOME PRODUCTS, INC.
2805 Locust Street
St. Louis, Missouri

CLEARY CORP., W. A.
P. O. Box 749
New Brunswick, New Jersey

CLOROX COMPANY, THE
P. O. Box 599
Cincinnati, Ohio

COAHOMA CHEMICAL COMPANY, INC.
P. O. Box 550
Clarksdale, Mississippi

COASTAL CHEMICAL CORPORATION
P. O. Box 627
Greenville, North Carolina

COLGATE-PALMOLIVE COMPANY
105 Hudson Street
Jersey City, New Jersey

COLONIAL PRODUCTS, INC.
P. O. Box 6325
West Palm Beach, Florida

COLONIAL STORES, INC.
P. O. Box 4358
Atlanta, Georgia

COMET MANUFACTURING CORPORA-
TION
1381 Dalon Drive, N. E.
Atlanta, Georgia

COMMON SENSE MFG. CO., INC.
1392 Niagara Street
Buffalo, New York

CONSOLIDATED PAINT & VARNISH
CORP.
East Ohio Building
Cleveland 14, Ohio

COOK CHEMICAL COMPANY
2500 Summit Street
Kansas City, Missouri

COOPER, WILLIAM & NEPHEWS, INC.
1909 N. Clifton Avenue
Chicago 14, Illinois

COUGHLAN, G. N. CO., INC.
29 Spring Street
West Orange, New Jersey

COWLEY, S. L. & SONS MFG. CO., INC.
708 W. McAlester Street
Hugo, Oklahoma

CRE-O-TOX CHEMICAL PRODUCTS CO.
2670 Broad Avenue
Memphis, Tennessee

CURRAN, FRANK J. COMPANY
8101 S. Main Street
Downers Grove, Illinois

CUTTER LABORATORIES, INC.
4th & Parker Sts.
Berkeley, California

DACUS DRUG COMPANY, INC.
P. O. Drawer 528
Tupelo, Mississippi

DAIRY ASSOCIATION COMPANY, INC.
Lyndonville
Vermont

DALY-HERRING COMPANY
Adkin & University Streets
Kinston, North Carolina

DARWORTH INCORPORATED
Cuprinol Division
660 Hopmeadow Street
Simsbury, Conn.

DAUBERT CHEMICAL COMPANY
2000 Spring Road
Oak Brook, Illinois

DAVIES-YOUNG SOAP COMPANY, THE
705 Albany Street
Dayton, Ohio

d-CON COMPANY, INC., THE
90 Park Avenue
New York, New York

DEL CHEMICAL CORPORATION
W158 N9332 Nor-X-Way Avenue
Menomonee Falls, Wisconsin

DESOTO CHEMICAL COMPANY, INC.
P. O. Box 70
Arcadia, Florida

DESTRUXOL CORPORATION, LTD.
1450 West 228th Street
Torrance, California

DETTELBACH PESTICIDE CORPORATION
4111 Peachtree Road, N. E.
Atlanta 19, Georgia

DEWITT CHEMICAL COMPANY
1310 Seaboard Ind. Blvd., N. W.
Atlanta, Georgia

DIAMOND ALKALI COMPANY
300 Union Commerce Bldg.
Cleveland, Ohio

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Washington & McKinley Ave.
Norristown, Pennsylvania

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212 W. Monroe Street
Chicago, Illinois

DIXI CHEM COMPANY
520 W. 31st Street
Chattanooga, Tennessee

DOUGLAS CHEMICAL COMPANY
P. O. Box 350
Liberty, Missouri

DOUGLAS CHEMICAL COMPANY, INC.,
THE
P. O. Box 6541
Richmond, Virginia

DOW CHEMICAL COMPANY, THE
825 E. Main Street
Midland, Michigan

DRACKETT PRODUCTS COMPANY, THE
5020 Spring Grove Avenue
Cincinnati 32, Ohio

DUN WIN COMPANY & GOULDS DELL
PRODUCTS
136 Elm Street
S. Williamsport, Pennsylvania

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6054 Du Pont Bldg.
Wilmington, Delaware

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4838 Woodall
Dallas, Texas

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Guardian Bldg.
Saint Paul, Minn.

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121 Colley Avenue
Norfolk, Virginia

ELANCO PRODUCTS COMPANY
A Division of Eli Lilly and Co.
740 So. Alabama Street
Indianapolis 6, Indiana

ELECTROLUX CORPORATION
235 East 42nd Street
New York 17, New York

EMERY INDUSTRIES, INC.
4300 Carew Tower
Cincinnati 2, Ohio

EMPIRE LABORATORIES
700 Marietta Street, N. W.
Atlanta, Georgia

ENOZ PRODUCTS-BORDEN CHEMICAL
COMPANY
1700 Winnetka Avenue
Northfield, Illinois

EXCELL CHEMICAL CORPORATION
4901 Umbria Street
Philadelphia 27, Pennsylvania

FAESY & BESTHOFF, INC.
143 River Road
Edgewater, New Jersey

FAIRFAX BIOLOGICAL LABORATORY
P. O. Box 126
Clinton Corners, New York

FAR-BEST CORPORATION
6715 McKinley Avenue
Los Angeles 1, California

FARMERS COOPERATIVE EXCHANGE,
INC.
P. O. Box 1069
Statesville, North Carolina

FEDERAL CHEMICAL COMPANY
646 Starks Building
Louisville, Kentucky

FEDERAL CHEMICAL COMPANY, INC.
2701 Winthrop Avenue
Indianapolis, Indiana

FERGUSON COMPANY, ALEX G.
44 East Oregon Avenue
Philadelphia, Pennsylvania

FLORIDA AGRICULTURAL SUPPLY
COMPANY
Div. Wilson & Toomer Fert. Co.
P. O. Box 658
Jacksonville, Florida

FORSHAW CHEMICALS, INC.
P. O. Box 6055
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FRANKLIN MAINTENANCE PRODUCTS
5134 Lancaster Avenue
Philadelphia, Pennsylvania

FRENCH COMPANY, THE R. T.
1 Mustard Street
Rochester, New York

FRONTIER CHEMICAL COMPANY
Div. of Vulcan Materials Co.
P. O. Box 545
Wichita, Kansas

FULLER BRUSH COMPANY, THE
Hartford
Connecticut

GASTON JOHNSTON CORPORATION
24-64 45th Street
Long Island City, New York

GEIGY AGRICULTURAL CHEMICALS
P. O. Box 430
Yonkers, New York

GEORGIA-CAROLINA OIL COMPANY
P. O. Box 4304
Macon, Georgia

GEORGIA GULF SULFUR CORP.
Spring Creek Road
Bainbridge, Georgia

GERDAU CHEMICAL CORPORATION
82 Wall Street
New York, New York

GETEM MANUFACTURING CO., INC.
1261 West 42nd Street
Norfolk, Virginia

GLAMORENE, INC.
175 Entin Road
Clifton, New Jersey

GLIDDEN COMPANY, THE
900 Union Commerce Bldg.
Cleveland 14, Ohio

GLOBE LABORATORIES
Div. of Chas. Pfizer & Co., Inc.
P. O. Box 4309
Fort Worth, Texas

GLOVER CO., INC., H. CLAY
1001 Franklin Avenue
Garden City, New York

GOLD SEAL COMPANY
Bismarck
North Dakota

GRACE & COMPANY, W. R.
Davison Chemical Div.
P. O. Box 357
Cary, North Carolina

GRAHAM CHEMICAL COMPANY, INC.
1407 Battleground Avenue
Greensboro, North Carolina

GREAT LAKES BIOCHEMICAL CO., INC.
P. O. Box 1297
Milwaukee, Wisconsin

GREAT LAKES CHEMICAL CORP.
753 Warner Building
Washington, D. C.

GREEN LIGHT COMPANY
P. O. Box 6845
San Antonio, Texas

GREEVER'S
Chilhowie
Virginia

GRISSMER COMPANY, INC., EARL
712 E. 64th Street
Indianapolis, Indiana

GRO CHEMICAL COMPANY
3530 NW 31 St.
Miami, Florida

GUARDIAN CHEMICAL COMPANY
708 Jefferson St., N.W.
Atlanta, Georgia

GULF OIL CORPORATION
P. O. Box 1519
Houston, Texas

GURMICO CHEMICALS, INC.
P. O. Box 278
Princeton, North Carolina

GUSTAFSON MFG. CO., INC.
6501 Cambridge Street
Minneapolis 26, Minnesota

H & M CHEMICAL COMPANY, INC.
43 Green Street
Sumter, South Carolina

HAPPY JACK, INC.
P. O. Box 475
Snow Hill, North Carolina

HARRIS & CO., INC., J. M.
P. O. Box 7311
Roanoke, Virginia

HARRIS MFG. CO., INC., P. F.
101 W. 8th Street
North Little Rock, Arkansas

HARRIS PRODUCTS COMPANY, INC.
P. O. Box 4
Miami Beach, Florida

HARTZ MOUNTAIN PRODUCTS CORP.
50 Cooper Square
New York, New York

HARVEY, WALTER L. & SON
Route 3
Parker, Pa.

HELLER LABORATORIES, INC.
A Div. of B. Heller & Co.
Calumet Avenue & 40th St.
Chicago 63, Illinois

HENDRIX AND DAIL, INC.
P. O. Box 695
Greenville, North Carolina

HERCULES POWDER COMPANY
910 Market Street
Wilmington, Delaware

HERITAGE HOUSE PRODUCTS, INC.
701 S. Front Street
Philadelphia, Pennsylvania

HERTRON CHEMICAL COMPANY
P. O. Box 3322
Charlotte, North Carolina

HESS & CLARK, INC., DR.
Div. of Richardson-Merrell, Inc.
7th & Orange Sts.
Ashland, Ohio

HILL MANUFACTURING COMPANY
1500 Jonesboro Road, SE
Atlanta, Georgia

HILLYARD SALES COMPANY
P. O. Box 909
St. Joseph 1, Missouri

HILO PRODUCTS, INC.
375 Park Avenue
New York, New York

HINTON & COMPANY, INC.
67 Murray Street
New York City, New York

HOLCOMB MFG. COMPANY, J. I.
1601 Barth Avenue
Indianapolis, Indiana

HOLLAND-RANTOS COMPANY, INC.
393 Seventh Avenue
New York, New York

HOLLINGSHEAD CORP.
840 Cooper Street
Camden, New Jersey

HOLLYWOOD TERMITE CONTROL COM-
PANY
2221 Poplar Boulevard
Alhambra, California

HOME DRUG COMPANY
4300 Peterson Avenue
Chicago, Illinois

HOOKER CHEMICAL CORPORATION

P. O. Box 344
Niagara Falls, New York

HOPKINS AGRICULTURAL CHEMICAL CO.

P. O. Box 584
Madison, Wisconsin

HORIZON INDUSTRIES

P. O. Box 20068
Cleveland, Ohio

HOT SHOT QUALITY PRODUCTS, INC.

701 N. Main Street
Memphis, Tennessee

HOUSTON COMPANY, SAM

P. O. Box 662
Talladega, Alabama

HOUSE OF HUSTON, INC.

P. O. Box 68
Spring Valley, New York

HOWERTON GOWEN CHEMICALS, INC.

P. O. Box 247
Roanoke Rapids, North Carolina

HUGE COMPANY, INC., THE

884 Hodiarnont Avenue
St. Louis 12, Missouri

HUMBLE OIL & REFINING COMPANY

P. O. Box 2180
Houston, Texas

HUMCO LABORATORY, INC.

1008 Whitaker Street
Texarkana, Texas

HUNT & COMPANY, INC.

1016 Raleigh Street
Greensboro, North Carolina

HYDROPONIC CHEMICAL COMPANY, INC.

P. O. Box 97-C
Copley, Ohio

INDUSTRIAL FUMIGANT COMPANY

923 State Line
Kansas City, Missouri

INSECT CONTROL SALES & SERVICE

P. O. Box 488
Candor, North Carolina

IONAC CHEMICAL COMPANY

Birmingham
New Jersey

IRWIN-WILLERT COMPANY

Dale Chemical Co. Div.
4044 Park Avenue
St. Louis, Missouri

J & F MANUFACTURING COMPANY

P. O. Box 40205
Houston, Texas

JAYMASS, INC.

52 Park Street
Manchester, Connecticut

JOHN'S BARGAIN STORES CORPORATION

1200 Zerega Avenue
Bronx, New York

JOHNSON & SON, INC., S. C.

1525 Howe Street
Racine, Wisconsin

JORO, INC.

P. O. Box 7311
Roanoke, Virginia

KAY CHEMICAL COMPANY

131 W. High Street
High Point, North Carolina

KERR CHEMICALS, INC.

Minit Spray Division
1001 Northwest Highway
Des Plaines, Illinois

KING CHEMICAL COMPANY

2342 South Lauderdale Street
Memphis, Tennessee

KING COMPANY, JAMES W.

6420 Elwood Avenue
Jacksonville, Florida

KING RESEARCH, INC.

114—12th Street
Brooklyn, New York

KLENZADE PRODUCTS

Div. of Economics Lab., Inc.
P. O. Box 1020
Beloit, Wisconsin

KOPPERS CO., INC.

801 Koppers Bldg.
Pittsburg, Pennsylvania

KROGER COMPANY, THE

Cincinnati
Ohio

KVP SUTHERLAND PAPER COMPANY

243 E. Paterson Street
Kalamazoo, Michigan

LABCO PET PRODUCTS COMPANY

281 Franklin Street
Boston, Mass.

LANGEN INDUSTRIES, INC.

714 Wall Street
Los Angeles, California

LAWN-A-MAT CHEMICAL & EQUIPMENT CO.

Mineola, L. I., New York

LAWSON RAT KILL COMPANY

753 S. Arlington Street
Akron, Ohio

LAZARUS LABORATORIES, INC.

L. I. City
New York

LEGEAR, INC., DR.

4161 Beck Avenue
St. Louis, Missouri

LEHN & FINK PRODUCTS CORPORATION

445 Park Avenue
New York, New York

LESTER LABORATORIES, INC.

P. O. Box 4897
Atlanta, Georgia

LINCK DIV., O. E.

Walco-Linck Corp.
1234 State Hwy. 46
Clifton, New Jersey

LINDE COMPANY

Div. of Union Carbide Corporation
270 Park Avenue
New York 17, New York

McCORMICK & COMPANY, INC.
McCormick Building
Baltimore, Maryland

McKESSON LABORATORIES
P. O. Box 548
Bridgeport, Connecticut

MABEX COMPANY, THE
Umbria & Lamonte Streets
Philadelphia 27, Pennsylvania

MAINTENANCE SUPPLY SERVICE
CORP.
P. O. Box 498
Huntersville, North Carolina

MALLINCKRODT CHEMICAL WORKS
P. O. Box 2525
New York, New York

MARTIN, C. J. & SONS
1181 Airport Blvd.
Austin 2, Texas

MASTER PRODUCTS COMPANY
P. O. Box 531
Fayetteville, North Carolina

MASURY-YOUNG COMPANY
76 Roland Street
Boston, Mass.

MEDICAL SUPPLY COMPANY
1027 W. State Street
Rockford, Illinois

MEHERRIN AGRICULTURAL & CHEMICAL CO.
Severn
North Carolina

MERCK & CO., INC.
Rahway
New Jersey

MICHIGAN CHEMICAL CORPORATION
500 N. Bankson Street
St. Louis, Michigan

MIDLAND LABORATORIES
210-220 Jones Street
Dubuque, Iowa

MIDWEST CONSULTANTS, INC.
3500 DeKalb Street
St. Louis, Missouri

MIKE, INC.
P. O. Box 92
Newland, North Carolina

MILLER CHEMICAL & FERTILIZER
CORP.
3006 West Cold Spring Lane
Baltimore 15, Maryland

MILLS-PEARSON CORPORATION
Dianol Division
P. O. Box 10968
St. Petersburg, Florida

MOMAR, INCORPORATED
1830 Ellsworth Industrial Dr., N.W.
Atlanta, Georgia

MONA INDUSTRIES, INC.
65-75 E. 23rd Street
Paterson 17, New Jersey

MONSANTO COMPANY
800 North Lindbergh Blvd.
St. Louis, Missouri

MORTON CHEMICAL COMPANY
110 N. Wacker Drive
Chicago, Illinois

MOTOMCO, INC.
89 Terminal Avenue
Clark, New Jersey

MUTUAL PRODUCTS COMPANY
509 North Fourth Street
Minneapolis, Minnesota

NALCO CHEMICAL COMPANY
6216 W. 66th Place
Chicago, Illinois

NATIONAL CHEMSEARCH CORPORATION
P. O. Box 217
Irving, Texas

NATIONAL HOG MEDICINE COMPANY
P. O. Box 1634
Raleigh, North Carolina

NATIONAL LABORATORIES
Div. of Lehn & Fink Prods. Corp.
445 Park Avenue
New York, New York

NATIONWIDE CHEMICAL COMPANY, INC.
2209 Fowler Street
Fort Myers, Florida

NIAGARA CHEMICAL DIVISION
Food Machinery & Chemical Corp.
P. O. Box 1709
Jacksonville, Florida

NIP-CO MANUFACTURING, INC.
200 Main Street
New Rochelle, New York

NORCLIFF LABORATORIES
P. O. Box 471
Fairfield, Connecticut

NORDA ESSENTIAL OIL & CHEMICAL CO., INC.
475 Tenth Avenue
New York, New York

NUODEX PRODUCTS DIVISION
Heyden Newport Chemical Corp.
(Now: Tennco Chemical, Inc.)
300 East 42nd Street
New York, New York

NUTRILITE PRODUCTS, INC.
5600 Beach Boulevard
Buena Park, California

OAKWOOD MEDICAL CENTER, INC.
6711 Kingston Pike, SW
Knoxville, Tennessee

OLIN MATHIESON CHEMICAL CORP.
Box 390
Williamston, North Carolina
745 Fifth Ave., N. Y., N. Y.

ONE-SPOT COMPANY
P. O. Box 217
Jessup, Maryland

OPITZ, INC., JOHN
50-14 39th Street
Long Island City 4, New York

PAPER PRODUCTS INCORPORATED
P. O. Box 5158
Long Beach 5, California

- PARA INDUSTRIES, INC.
225 W. 34th Street
New York, New York
- PARKE, DAVIS & COMPANY
Joseph Campau at the River
Detroit, Michigan
- PARRAMORE & GRIFFIN SEED CO., INC.
105 Boone Dairy Road
Valdosta, Georgia
- PAXTON ENTERPRISES
Drawer A
Palacios, Texas
- PEARSON & COMPANY
P. O. Box 431
Mobile, Alabama
- PEE DEE CHEMICALS, INC.
P. O. Box 814
Charleston, South Carolina
- PEELE COMPANY, INC., W. R.
P. O. Box 275
Clayton, North Carolina
- PENICK & COMPANY, S. B.
100 Church Street
New York 8, New York
- PENN CORPORATION
P. O. Box 191
Butler, Pennsylvania
- PENNSALT CHEMICALS CORPORATION
3 Penn Center Plaza
Philadelphia, Pennsylvania
- PENNSALT CHEMICALS CORPORATION
Agricultural Chemicals Div.
2901 Taylor Way
Tacoma, Washington
- PENNSYLVANIA ENGINEERING COMPANY
1107-21 N. Howard Street
Philadelphia 23, Pennsylvania
- PENNSYLVANIA REFINING COMPANY
P. O. Box 671
Butler, Pennsylvania
- PEST-GUARD PRODUCTS, INC.
4838 Woodall
Dallas 8, Texas
- PET CHEMICALS, INC.
1038 N.W. 21st Terrace
Miami, Florida
- PET'M LABORATORIES
1500 Spring Garden Street
Philadelphia, Pennsylvania
- PETRX CORPORATION
333 N. Michigan Avenue
Chicago, Illinois
- PFIZER & COMPANY, INC., CHAS.
235 E. 42nd Street
New York, New York
- PHELPS DODGE REFINING CORPORATION
300 Park Avenue
New York, New York
- PIC CORPORATION
28030 Canfield Street
Orange, New Jersey
- PIONEER MANUFACTURING COMPANY,
THE
3053 E. 87th Street
Cleveland, Ohio
- PITTSBURGH PLATE GLASS COMPANY
One Gateway Center
Pittsburgh, Pennsylvania
- PLANTERS CHEMICAL CORPORATION
3111 Virginia Beach Blvd.
Norfolk, Virginia
- PLANT PRODUCTS CORPORATION
Kennedy Avenue
Blue Point L. I., New York
- PLANT MARVEL LABORATORIES
624 W. 119th Street
Chicago, Illinois
- PLOUGH, INC.
3022 Jackson Avenue
Memphis, Tennessee
- POCATELLO SUPPLY DEPOT
Pocatello
Idaho
- POLK MILLER PRODUCTS CORPORATION
2007 North Hamilton Street
Richmond, Virginia
- POPLIN CHEMICAL COMPANY
Route 1, P. O. Box 300
Statesville, North Carolina
- PRATT COMPANY, B. G.
204 21st Avenue
Paterson, New Jersey
- PRATER WHOLESALE COMPANY, E. H.
Route #3
Seneca, South Carolina
- PROCTOR & GAMBLE COMPANY, THE
P. O. Box 599
Cincinnati 1, Ohio
- PROGRESS CHEMICAL COMPANY
P. O. Box 388
Canton, Georgia
- PROTEXALL CHEMICALS, INC.
P. O. Box 424
Fort Orange, Florida
- PUREX CORPORATION, LTD.
5101 Clark Avenue
Lakewood, California
- PYRROLE CHEMICAL CORPORATION
817 Spring Lane
Portsmouth, Ohio
- QUINTON COMPANY
Rahway
New Jersey
- RALSTON PURINA COMPANY
835 South Eighth Street
St. Louis, Missouri
- RAT AND PEST CONTROL COMPANY
Div. of E. H. Prater Wholesale Co.
Route 3
Seneca, South Carolina
- RAWLEIGH COMPANY, THE W. T.
223-225 E. Main Street
Freeport, Illinois
- REARDON LABORATORIES, INC., W. G.
330 North Main Street
Port Chester, New York
- REEFER-GALLER, INC.
105 Hudson Street
Jersey City, New Jersey

REICHOOLD CHEMICALS, INC.
Tuscaloosa, Alabama

REXAIR, INCORPORATED
c/o The Ottawa Chemical Company
700 N. Wheeling Street
Toledo 5, Ohio

REXALL DRUG COMPANY
8480 Beverly Boulevard
Los Angeles, California

RIGO MANUFACTURING COMPANY
P. O. Box 1188
Nashville, Tennessee

RINGER CORP., JUDD
3355 Republic Avenue
Minneapolis, Minnesota

ROCON, INC.
Forest
Virginia

RODENT CONTROL FUND, N. C. STATE
UNIVERSITY
P. O. Box 5577, State College Station
Raleigh, North Carolina
Lafayette, Indiana

ROHM & HAAS COMPANY
Independence Mall West
Philadelphia, Pennsylvania

ROTENONE PRODUCTS COMPANY
110 Eaton Place
East Orange, New Jersey

ROUSSEL CORPORATION
155 E. 44th Street
New York, New York

ROYSTER CHEMICAL COMPANY
Pine Street
Farmville, North Carolina

RUST-OLEUM CORPORATION
2425 Oakton Street
Evanston, Illinois

SABINE CHEMICAL COMPANY, INC.
P. O. Box 1206
Port Arthur, Texas

SALSBURY'S LABORATORIES, DR.
500 Gilbert Street
Charles City, Iowa

SANFAX CORPORATION
P. O. Box 604
Atlanta, Georgia

SAPRISE CHEMICALS, INC.
P. O. Box 682
Greer, South Carolina

SAUER, THE C. F. COMPANY
2000 West Broad Street
Richmond, Virginia

SCHERING CORPORATION
60 Orange Street
Bloomfield, New Jersey

SCOTT & SONS COMPANY, O. M.
Marysville
Ohio

SEACOAST LABORATORIES, INC.
257 Highway 18
East Brunswick, New Jersey

SEARS, ROEBUCK & COMPANY
925 South Homan Avenue
Chicago 7, Illinois

THE SELIG COMPANY
342 Marietta Street, N.W.
Atlanta 13, Georgia

SENORET CHEMICAL COMPANY, INC.
631 Leffingwell Avenue
St. Louis, Missouri

SEXTON & COMPANY, JOHN
P. O. Box 8281
Philadelphia, Pennsylvania

SHELL CHEMICAL COMPANY
110 W. 51st Street
New York 20, New York

SHELL OIL COMPANY
50 W. 50th Street
New York 20, New York

SHEPARD CHEMICAL WORKS
Highway 74
Wilmington, North Carolina

SHERWIN-WILLIAMS COMPANY, THE
P. O. Box 269
Bound Brook, New Jersey

SHULTON, INC.
697 Route 46
Clifton, New Jersey

SIGNAL OIL AND GAS COMPANY
P. O. Box 5008
Houston 12, Texas

SINGLETARY AND COMPANY, INC.
143 S. Washington Street
Rocky Mount, North Carolina

SMITH-DOUGLASS COMPANY, INC.
P. O. Box 419
Norfolk, Virginia

SMITH SEED, INC.
315 Lynn Street
Danville, Virginia

SMITH SPECIALTIES COMPANY, T. W.
P. O. Box 5146
Charlotte, North Carolina

S. C. PEACH GROWERS ASSOCIATION
P. O. Box 928
Spartanburg, South Carolina

SOUTHERN AGRICULTURAL CHEMI-
CALS, INC.
P. O. Box 238
Kingstree, South Carolina

SOUTHERN AGRICULTURAL INSECTI-
CIDES, INC.
P. O. Box 352
Hendersonville, North Carolina

SOUTHERN TESTING & RESEARCH
LABS.
607 Park Avenue
Wilson, North Carolina

SPECIAL SALES PRODUCTS COMPANY
8480 Beverly Blvd.
Los Angeles 54, California

SPINDLE CITY CHEMICAL COMPANY
P. O. Box 444
Sumter, South Carolina

SPRAYWAY, INC.
7644 Vincennes Avenue
Chicago 20, Illinois

STALFORD & SONS, INC., JOHN C.
2012 Hammonds Ferry Road
Baltimore, Maryland

STALFORT PRESSURE-PAK, INC.
2012 Hammonds Ferry Road
Baltimore 27, Maryland

STANDARD PACKAGING CORPORATION
200 E. 42nd Street
New York, New York

STANDARD SPRAY & CHEMICAL COM-
PANY
P. O. Box 63
Lakeland, Florida

STARR COMPANY
P. O. Box 1031
Petersburg, Virginia

STAUFFER CHEMICAL COMPANY
P. O. Box 5388
Tampa, Florida

STEARNS' ELECTRIC PASTE COMPANY
220 South State Street
Chicago, Illinois

STEPHENSON CHEMICAL COMPANY,
INC.
2444 West Point Road
College Park, Georgia

STERLING COMPANY, INC., THE
2801-05 Locust Street
St. Louis, Missouri

STERNO, INC.
105 Hudson Street
Jersey City, New Jersey

STERWIN CHEMICALS, INC.
90 Park Avenue
New York, New York

SUDBURY LABORATORY
Dutton Road
Sudbury, Massachusetts

SUWANNEE DRUG COMPANY
128 Central Avenue
Newberry, Florida

SWEENEY MFGR., INC., W. R.
340 S. Main Street
Salisbury, Missouri

SWIFT & COMPANY
P. O. Box 210
Wilmington, North Carolina
Norfolk 15, Virginia

TANGLEFOOT COMPANY, THE
314 Straight Avenue, S.W.
Grand Rapids, Michigan

TAVOLEK LABORATORIES
Div. of McNeil Laboratories, Inc.
501 George Street
New Brunswick, New Jersey

TAVOR CHEMICAL COMPANY
P. O. Box 337
Aberdeen, North Carolina

TENNESSEE CORPORATION
44 Broad Street, N.W.
Atlanta, Georgia

TESCO CHEMICALS, INC.
445 Bishop Street, N.W.
Atlanta, Georgia

TEXACO, INC.
135 E. 42nd Street
New York, New York

TEXAS REFINERY CORPORATION
P. O. Box 711
Fort Worth, Texas

TEXIZE CHEMICALS, INC.
125 Broadus Avenue
Greenville, South Carolina

THOMPSON CHEMICALS CORPORATION
3028 Locust Street
St. Louis 3, Missouri

THOMPSON-HAYWARD CHEMICAL COM-
PANY
P. O. Box 768
Kansas City, Missouri

THURON INDUSTRIES, INC.
Starbar Division
12200 Denton Drive
Dallas, Texas

TRIANGLE CHEMICAL COMPANY
206 Lower Elm Street
Macon, Georgia

TUCO PRODUCTS COMPANY
Div. of The Upjohn Company
Kalamazoo, Michigan

UNION CARBIDE CORPORATION
Consumer Products Division
270 Park Avenue
New York, New York

UNION CARBIDE CORPORATION
270 Park Avenue
New York 17, New York

UNIT CHEMICAL CORPORATION
4161 Redwood Avenue
Los Angeles 66, California

UNITED CO-OPERATIVES, INC.
111 Glamorgan Street
Alliance, Ohio

U. S. BORAX & CHEMICAL CORPORA-
TION
3075 Wilshire Blvd.
Los Angeles, California

UNITED STATES PLYWOOD CORPORA-
TION
Protection Products Division
2305 Superior Avenue
Kalamazoo, Michigan

U. S. RUBBER COMPANY
Naugatuck Chemical Div.
Elm Street
Naugatuck, Connecticut

UPJOHN COMPANY, THE
7171 Portage Road
Kalamazoo, Michigan

V-C CHEMICAL COMPANY
Div. of Socony Mobil Oil Co., Inc.
401 E. Main Street
Richmond, Virginia

VAN BRODE MILLING COMPANY, INC.
20 Cameron Street
Clinton, Massachusetts

VANDERBILT COMPANY, INC., R. T.
230 Park Avenue
New York, New York

VANLOR INTERNATIONAL
P. O. Box 2175
Inglewood, California

VAPOR PRODUCTS COMPANY
P. O. Box 3294
Orlando, Florida

VAPORETTE CHEMICAL CORPORATION
Dallas
Texas

- VAPORETTE, INC.
2425 S. Central Expressway
Dallas, Texas
- VARLEY & SONS, INC., JAMES
1200 Switzer Avenue
St. Louis, Missouri
- VAUGHAN'S SEED COMPANY
5300 Katrine Avenue
Downers Grove, Illinois
- VELSICOL CHEMICAL CORPORATION
341 East Ohio Street
Chicago 11, Illinois
- VERKAMP CORPORATION, THE
1920 Losantiville Avenue
Cincinnati, Ohio
- VESTAL LABORATORIES, INC.
Div. of W. R. Grace & Co.
4963 Manchester
St. Louis, Missouri
- VETEV LABORATORIES
333 N. Michigan Avenue
Chicago, Illinois
- VIKON CHEMICAL COMPANY
P. O. Box 277
Elon College, North Carolina
- VINELAND CHEMICAL SALES CORP.
(Now: Vineland Chemical Co.)
West Wheat Road
Vineland, New Jersey
- VINELAND LABORATORIES, INC.
P. O. Box 70
Vineland, New Jersey
- VIRGINIA CHEMICALS, INC.
West Norfolk
Virginia
- WALGREEN LABORATORIES, INC.
4399 Peterson Avenue
Chicago, Illinois
- WALLACE & TIERNAN INC.
25 Main Street
Belleville, New Jersey
- WASHBURN-PUREX
2244 Elston Avenue
Chicago, Illinois
- WATKINS PRODUCTS, INC.
150 Liberty Street
Winona, Minnesota
- WEEVIL-CIDE COMPANY, THE
1323 Union Avenue
Kansas City, Missouri
- WEST CHEMICAL PRODUCTS, INC.
42-16 West Street
Long Island City, New York
- WEST LABORATORIES, INC.
Div. of West Chemical Products, Inc.
42-16 West Street
L. I. City, New York
- WESTCHESTER VETERINARY PRODUCTS
Div. of Combe Chemical, Inc.
180 Mamaroneck Avenue
White Plains, New York
- WESTERN AUTO SUPPLY COMPANY
222 So. 3rd Street
Milwaukee 1, Wisconsin
- WESTON PRODUCTS COMPANY
330 W. Salisbury Street
Asheboro, North Carolina
- WHITMIRE RESEARCH LABS., INC.
339 S. Vandeventer Avenue
St. Louis, Missouri
- WHITMOYER LABORATORIES, INC.
19 N. Railroad Street
Myerstown, Pennsylvania
- WILSON, INC., ANDREW
Baltusrol Way
Springfield, New Jersey
- WILSON EXTERMINATING CO., INC.
401 West End Blvd.
Winston-Salem, North Carolina
- WILSON PEST CONTROL CO., INC.
401 West End Blvd.
Winston-Salem, North Carolina
- WINN CHEMICAL COMPANY, INC.
P. O. Box 612
Anniston, Alabama
- WINRU CHEMICAL & SALES COMPANY
923 State Line
Kansas City, Missouri
- WIRTHMORE FEEDS, INC.
343 Winter Street
Waltham, Massachusetts
- WOODBURY CHEMICAL COMPANY
P. O. Box 2529
Orlando, Florida
- WOODLETS, INC.
45 Carroll Street
Buffalo, New York
- WOOD RIDGE CHEMICAL CORPORATION
P. O. Box 97
Wood Ridge, New Jersey
- WOOD TREATING CHEMICALS COMPANY
5137 Southwest Avenue
St. Louis, Missouri
- WOOLFOLK CHEMICAL WORKS, LTD.
East Main Street
Fort Valley, Georgia
- WORDEN MANUFACTURING COMPANY
P. O. Box 525
Grand Island, Nebraska
- WRAP-ON COMPANY, INC.
341 W. Superior Street
Chicago, Illinois
- WYANDOTTE CHEMICALS CORPORATION
1609 Biddle Avenue
Wyandotte, Michigan
- WYATT-QUARLES SEED COMPANY
U. S. 70 East, Box 2131
Raleigh, North Carolina
- WYETH LABORATORIES
Div. of American Home Products Corp.
P. O. Box 8299
Philadelphia, Pennsylvania
- YALE CHEMICAL COMPANY
P. O. Box 715
Nashville, Tennessee
- ZEP MANUFACTURING COMPANY
1310 Seaboard Industrial Blvd. N. W.
Atlanta, Georgia

N. C. Aerial Crop Dusting Law and Regulations

The North Carolina Aerial Crop-Dusting Law, enacted by the General Assembly of 1953, has passed through its twelfth year of enforcement. Its purposes are to protect public health and welfare, to bring improved order in the aerial dusting industry and to eliminate practices which were not in the best interest of the industry or those whom it serves. Marked progress has been made, but there is much yet to be accomplished. The North Carolina Aerial Applicators Association and other members of the industry sponsored the law and cooperate in its enforcement.

The law and the regulations promulgated thereunder, in summary, require adequate knowledge of the proper use and application of pest-application of pesticides by aircraft in this state. Qualifications for license require adequate knowledge of the proper use and application of pesticides, the dangers involved and precautions necessary in their application.

Annual renewal of all licenses is required. The validity of any license is further restricted to the period of time that coverage by liability bond or insurance for damage by aircraft is in force. The minimum liability coverage is \$5,000.00 for property damage, \$10,000.00 for personal injury, and \$20,000.00 for any one accident.

Licenses are of two types: Contractors—who contract for the airplane application of pesticides; and Applicators or aviators—those who do the application work. An individual, upon qualification, may procure both licenses. Applicator's licenses, among other things, are contingent on Civil Aeronautics Authority certificates and waiver for low flying.

Licenses may be suspended or revoked if licensees are no longer qualified, for fraudulent, faulty, careless or negligent operations, or for other failure to comply with the requirements of the law. They are automatically nullified upon cancellation or expiration of liability coverage.

The law and regulations are given in the succeeding pages.

N. C. AERIAL CROP-DUSTING LAW

CHAPTER 106, N. C. GENERAL STATUTES

Article 4B, Aircraft Application of Pesticides

§106-65.13. Definitions. For the purposes of this article.

(1) The term "aircraft" means any contrivance now known or hereafter invented, used or designed for navigation of, or flight in, the air.

(2) The term "Board of Agriculture" means the North Carolina Board of Agriculture.

(3) The term "Commissioner" means the Commissioner of Agriculture.

(4) The term "custom application of pesticides" means any application of pesticides by aircraft.

(5) The term "fungi" means all non-chlorophyll-bearing thallophytes (that is, all non-chlorophyll-bearing plants of a lower order than mosses and liverworts), as, for example, but not limited to, rusts, smuts, mildews, molds, yeasts, and bacteria, except those on or in living man or other animals.

(6) The term "fungicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating fungi or plant disease.

(7) The term "herbicide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any weed.

(8) The term "insect" means any of the numerous small invertebrate animals generally having the body more or less obviously segmented, for the most part belonging to the class Insecta, comprising six-legged, usually winged forms, as, for example but not limited to, beetles, bugs, bees, and flies, and to other allied classes of arthropods whose members are wingless and usually have more than six legs, as, for example, but not limited to, spiders, mites, ticks, centipedes, and wood lice.

(9) The term "insecticide" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects which may be present in any environment whatsoever.

(10) The term "person" means any individual, firm, partnership, association, corporation, company, joint stock association, or body politic, or any organized group of persons whether incorporated or not; and includes any trustee, receiver, assignee, or other representative thereof.

(11) The term "pesticide" or "economic poison" means any substance or mixture of substances intended for preventing, destroying, repelling, or mitigating any insects, rodents, fungi, bacteria, weeds, or other forms of plant or animal life or viruses, except viruses on or in living man or other animals, which the Commissioner shall declare to be a pest.

(12) The term "weed" means any plant or plant part which grows where not wanted.

§106-C5.14. Licenses.

a. It shall be unlawful for any person to engage in custom application of pesticides within the State at any time without a license issued by the Commissioner. Application for a license shall be made to the Commissioner and each application shall contain information regarding the applicant's qualifications and proposed operations and such other relevant matters as may be required pursuant to regulations promulgated by the Board of Agriculture.

b. The Commissioner may require the applicant to show, upon examination, that he possesses adequate knowledge concerning the proper use and application of pesticides, and the dangers involved and precautions to be taken in connection with their application. If the applicant is other than an individual, the applicant shall designate an officer, member, or

technician of the organization to take the examination, such designee to be subjected to the approval of the Commissioner. If the extent of the applicant's operations warrant it, the Commissioner may require more than one officer, member or technician to take the examination.

c. If the Commissioner finds the applicant qualified, the Commissioner shall issue a license, which shall authorize the licensee to perform custom application of pesticides within the State. The license may restrict the applicant to the use of a certain type or types of materials if the Commissioner finds that the applicant is qualified to use only such type or types. If a license is not issued as applied for, the Commissioner shall inform the applicant in writing of the reasons therefor. All licenses issued under this article shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

d. The Commissioner may suspend, pending inquiry, for not longer than ten days after opportunity for a hearing, may revoke, or modify the provisions of any license issued under this section, if he finds as a fact that the licensee is no longer qualified or has engaged in fraudulent business practices in the custom application of pesticides, or has made any custom application in a faulty, careless, or negligent manner, or has violated any of the provisions of this article or regulations made thereunder.

e. The Commissioner may require, under such rules and regulations as may be promulgated under this article, from each applicant a liability bond against damage to person or property by aircraft and a reasonable performance bond with sufficient surety satisfactory to the Commissioner, which performance bond is to secure the performance of contractual obligations of the licensee with respect to custom application of pesticides. Any person injured by the breach of any such obligation or any person damaged by such aircraft shall be entitled to sue on the bond in his own name in any court of competent jurisdiction to recover the damages he may have sustained.

f. Any person aggrieved by any action of the Commissioner may within ten days after notice thereof request a review of said action by the Board of Agriculture. If no request for review is so made, the decision of the Commissioner shall be final. If a review is so requested, the Board of Agriculture shall promptly review the action of the Commissioner and either affirm or over-rule his action. If the Board of Agriculture affirms the Commissioner, it shall find the facts of the case and the aggrieved person may within thirty days after notice thereof appeal to the Superior Court of the county in which such person resides or to the Superior Court of Wake County and the matter may be heard in or out of chambers. Notice of the appeal shall be served on the Commissioner and within ten days thereafter the Commissioner shall certify and file in the court to which the appeal is taken a transcript of any record pertaining thereto, including a transcript of evidence received. The court shall have jurisdiction to affirm, set aside or modify the action of the Board of Agriculture, *provided*, that the findings of fact as made by said Board, if supported by evidence, shall be conclusive.

Any license which has been suspended or revoked by the Commissioner or Board of Agriculture shall remain suspended or revoked until the laws, and regulations of the Board of Agriculture, have been complied with or until the decision or action of said Commissioner or Board has been set aside by court action.

§106-65.15. Regulations, materials and methods of application.—The Board of Agriculture, after public hearing, may adopt regulations prohibiting the use of materials or methods in custom application of pesticides to the extent necessary to protect health or property and may make such other regulations as it may deem necessary to carry out the provisions of this article. *Provided, however,* such regulations shall not be inconsistent with the regulations issued by this State or by the Federal Government respecting safety in air navigation or operation of aircraft and before issuing any regulations directly related to any matter within the jurisdiction of any other official of this State, the Commissioner shall consult with that official with reference thereto.

§106-65.16. Reports.—The Board of Agriculture may by regulation require any licensee to maintain records and furnish reports giving information with respect to particular applications of pesticides and such other relevant information as the Board of Agriculture may deem necessary.

§106-65.17. Information.—The Commissioner may, in cooperation with the North Carolina Agricultural Experimental Station, publish information regarding injury which may result from improper application or handling of pesticides and the methods and precautions designed to prevent such injury.

§106-65.18. Penalties.—Any person violating the provisions of this article or the regulations issued hereunder shall be guilty of a misdemeanor and upon conviction shall be fined or imprisoned or both in the discretion of the court.

§106-65.19. Enforcement.—For the purpose of carrying out the provisions of this article the Commissioner may enter upon any public or private premises at reasonable times in order to have access for the purpose of inspecting any aircraft or materials subject to this article.

§106-65.20. Delegation of Duties.—The functions vested in the Commissioner by this article may be delegated by him to such employees of the Department of Agriculture or other qualified persons as the Commissioner may from time to time designate for such purposes.

§106-65.21. Cooperation.—The Commissioner may cooperate with any other agency of this State or its sub-divisions or with any agency of any other State or of the Federal Government for the purpose of carrying out the provisions of this article and of securing uniformity of regulations.

RULES, REGULATIONS, DEFINITIONS AND STANDARDS

CHAPTER XII

Application of Pesticides By Aircraft

ARTICLE 1. APPLICATION OF PESTICIDES BY AIRCRAFT

§12-1. Application for license.—Application for a license to engage in the custom application of pesticides by aircraft shall be made to the Commissioner of Agriculture upon forms prescribed for that purpose and furnished by the Department of Agriculture.

§12-2. Classes of licenses.—There shall be two classes of licenses which shall authorize the holders thereof to engage in the custom application of pesticides to the extent authorized by the license and the rules and regulations of the State Board of Agriculture. The classes of licenses shall be as follows:

(a) Contractor's License. A contractor's license shall authorize the holder thereof to contract for the aerial application of pesticides.

(b) Airplane Applicator's License. An airplane applicator's license shall entitle the holder thereof to apply pesticides as contracted for by the holder of an operator's license.

§12-3. Examination for license.—Before any license is issued, the Commissioner may require the applicant to undergo such examination and to submit such other information as the Commissioner in his discretion may deem necessary for a proper determination of the applicant's qualifications.

§12-4. Modification, revocation or suspension of license.—All licenses are subject to modification as to terms and privileges and may be revoked or suspended by the Commissioner of Agriculture according to the provisions of G.S. 106-65.14. Licenses may be issued for periods of less than one year but all licenses shall expire on December 31 of each year and may be renewed upon the filing of a new application therefor.

§12-5. Display of license.—All holders of contractor's or airplane applicator's licenses shall keep their licenses conspicuously posted at their place of business or about their person when engaged in the application of pesticides by aircraft and shall show their license upon request. Upon satisfactory proof of the loss or destruction of a license, a duplicate thereof may be issued to the qualified holder.

§12-6. Liability bond.—No airplane applicator's license shall be issued unless the applicant submits to the Commissioner of Agriculture along with the application for license a liability insurance policy covering said applicant and the person or persons for whom the custom application of pesticides is to be made against liability for damage to all persons or property caused by said aircraft. Said liability insurance policy shall cover at least \$5,000.00 for property damage, \$10,000.00 for personal injury, and

\$20,000.00 for any one accident; and shall be required to be in force for the duration of the applicant's license: Provided, however, it is not the intent of this regulation for any liability insurance policy to cover damages resulting from the application of pesticides, but only for damages caused by aircraft.

§12-7. Report and records.—Each contractor shall maintain daily reports and records on forms satisfactory to the Commissioner and all such reports and records shall be kept open and available for inspection by any authorized representative of the Department of Agriculture. Each contractor shall also submit to the Commissioner of Agriculture on or before December 31 of each year an annual report on forms furnished by the Commissioner, covering in detail the contractor's activities for the period covered by the report.

§12-8. Responsibility of contractors and applicators.—All contractors and applicators shall be responsible for the proper use and maintenance of equipment and for the proper use and application of pesticides; and shall at all times use due care for the protection of surrounding property, crops, fish ponds, plants and livestock. Any contractor or applicator who violates or disregards the provisions of this regulation or who makes any custom application in faulty, careless, or negligent manner shall have his license suspended or revoked according to the provisions of G.S. 106-65.14.

(Adopted: June 22, 1953)

(Authority: G.S. 106-65.15)

Licensees Under N. C. Aerial Crop-Dusting Law for 1965

This list gives the names of firms or individuals who registered with the North Carolina Department of Agriculture and were issued licenses as Contractors, Applicators, or both, for the year 1965. Each type of license is indicated in connection with the respective name of individual or firm as given in the list.

All licenses expire December 31, 1965, or earlier according to expiration of insurance coverage and are subject to renewal for operations in 1966.

ANGE AND FAIRCLOTH SPRAY SERVICE
Route 1, Box 112
Plymouth, N. C.
Contractor

ASPLUNDH TREE EXPERT COMPANY
4336 S. Tryon Street
Charlotte, N. C.
505 York Road
Jenkintown, Pennsylvania
Contractor

ROBERT FREDERICK AVERY
Route 3
Dunn, N. C.
Applicator and Contractor

W. H. BAGGETT
Baggett Dusting Service
General Delivery
Scotland Neck, N. C.
603 S. 22nd Street
Ft. Pierce, Florida
Applicator and Contractor

DWAYNE S. BAILEY
P. O. Box 7261
Shreveport, Louisiana
Applicator

FELTON M. BAKER
P. O. Box 7261
Shreveport, Louisiana
9519 Meadowcroft
Houston, Texas
Applicator

LYNDD H. BARNWELL
c/o Kittrell Livestock
Corapeake, N. C.
c/o M. E. Rogers Whse.
Suffolk, Virginia
826 N. Daughtry Street
Douglas, Georgia
Applicator and Contractor

DOUGLAS A. BLOODSWORTH
P. O. Box 26
Princess Anne, Maryland
Applicator

LUTHER BEAUCHAMP BLOODSWORTH, JR.
P. O. Box 26
Princess Anne, Maryland
Applicator and Contractor

STEVE C. BOVIE
1010 Trenton Road
Langhorne, Pennsylvania
Applicator

FRAZIER MACK BRAME
Route 5, Box 96
Reidsville, N. C.
Applicator and Contractor

JAMES BROWARD BROGDON
P. O. Box 488
Ahoskie, N. C.
3860 S. N. Archer Road
Gainesville, Florida
Applicator

HAROLD F. BROWN
P. O. Box 7261
Shreveport, Louisiana
P. O. Box 4217
3801 Belle Meade Drive, S. W.
Roanoke, Virginia
Applicator

RANDOLPH K. BROWN
P. O. Box 51
Hendersonville, N. C.
14500 S. W. 81st Avenue
Miami, Florida
Applicator

WAYNE DOUGLAS BROWN
Route 1, Box 336-D
Plymouth, N. C.
412 Natalen
San Antonio, Texas
Applicator

JOHN W. BRUCE
P. O. Box 7261
Shreveport, Louisiana
3853 Red Fox Drive, N. W.
Roanoke, Virginia
Applicator

MARTIN D. BYRD
Route 3
Dunn, N. C.
Applicator

CAMPBELL AIR SERVICE, INC.
P. O. Box 7261
Shreveport, Louisiana
Contractor

JOHN V. CAMPBELL
1320 Glen
Shreveport, Louisiana
Applicator

GEORGE CARTWRIGHT
P. O. Box 245
Williamston, N. C.
4860 Frostburg Lane
Virginia Beach, Virginia
Applicator

CLINTON FLYING SERVICE
P. O. Box 191
Clinton, N. C.
Contractor

COLONIAL HELICOPTERS, INC.
1732 Dennys Road
Norfolk, Virginia
Contractor

WATSON COMPTON'S CROP SPRAYING

Route 2
Ringgold, Virginia
Contractor

CRAFT'S SPRAYING, INC.

Box 172
Farmville, N. C.
Contractor

A. CLAY CRAICHY

c/o Dillard Powell
Route 2
Ruffin, N. C.
414 Orange Street
Auburndale, Florida
Applicator and Contractor

WILLIAM JOSEPH CREWS

150 Sheppard Street
Thomasville, N. C.
Applicator

JAMES L. DeHAVEN

1115 Mewborn Avenue
Kinston, N. C.
Applicator

DOTHAN AVIATION CORP.

P. O. Box 502
Beaufort, N. C.
Beaufort-Morehead Airport
Morehead City, N. C.
P. O. Box 1103
Dothan, Alabama
Contractor

BERNARD EMMETT EACHO, JR.

Box 363-B Cedar Fork Road
Richmond, Virginia
Applicator

THAMES M. ECONOMOS

P. O. Box 7261
Shreveport, Louisiana
4859 Showalter Road
Roanoke, Virginia
Applicator

JAMES ELLIS

Ellis Flying Service
Route 3, Box 29
Shelby, N. C.
Applicator and Contractor

IRA CRAIG ELROD

2000 Queens Road West
Charlotte, N. C.
Applicator

JAMES J. FAIRCLOTH

P. O. Box 101
Washington, N. C.
Applicator

BILL RAY FINK

P. O. Box 7261
Shreveport, Louisiana
3224 S. W. 47th Street
Oklahoma City, Oklahoma
Applicator

WILLIAM K. FISCHER

P. O. Box 7261
Shreveport, Louisiana
10203 Torrington Lane
Houston, Texas
Applicator

CARL H. FLIPPIN

P. O. Box 7261
Shreveport, Louisiana
Box 511
Grande Isle, Louisiana
Applicator

RAYMOND AUGUSTUS FOSTER

Route 2, Box 878
Elizabeth City, N. C.
P. O. Box 81
Milford, Delaware
Applicator

SIDNEY E. GIBBS

Route 2
King, N. C.
Applicator

GREENVILLE AVIATION INC.

P. O. Box 231
Washington, N. C.
Contractor

WALTER RAY GRIFFIN

Route 1
Summerfield, N. C.
Applicator and Contractor

CLIFTON HAMMONDS

305 Dixie Trail
Fayetteville, N. C.
Applicator

SHERMAN W. HANKE

Box 422
Clio, South Carolina
Box 29
Summerfield, Florida
Applicator and Contractor

JIMMY R. HAYNES

523 W. Nevada
Vivian, Louisiana
Applicator

HELICOPTER SERVICES INC.

2719 Central Avenue
Charlotte, N. C.
Contractor

EUGENE G. HICKS

528 Baden Avenue
Virginia Beach, Virginia
Applicator

HOLLEY'S DUSTING SERVICE, INC.

Hendersonville, N. C.
Box 945
Homestead, Florida
Contractor

EDWARD C. HORTON

2009 Sparger Lane
Bristol, Tennessee
Applicator

LEO HUGHES

P. O. Box 61
Trinity, N. C.
Applicator and Contractor

INLAND AIR LINES INC.

P. O. Box 1144
Myrtle Beach, South Carolina
Contractor

JERNIGAN SPRAY SERVICE, INC.

P. O. Box 488
Ahoskie, N. C.
Contractor

DAN C. JOHNSON

P. O. Box 231
Washington, N. C.
P. O. Box 536
West Memphis, Arkansas
Applicator

PERRY W. JONES

325 Spring Street
Hendersonville, N. C.
Applicator

PAUL D. KAISER
P. O. Box 7261
Shreveport, Louisiana
4935 Northwood Drive, N. W.
Roanoke, Virginia
Applicator

JOSEPH THOMAS KEECH
Route 1
Pantego, N. C.
Contractor

KING FLYING SERVICE, INC.
Route 2
King, N. C.
Contractor

RAYMOND T. KLINE
P. O. Box 7261
Shreveport, Louisiana
10147 Valencia Drive
Houston, Texas
Applicator

CHARLES E. KOUGH
General Delivery
Scotland Neck, N. C.
General Delivery
Ft. Pierce, Florida
Applicator

CLARENCE ROBERT (BOB) LAY
P. O. Box 741
Washington, N. C.
Applicator

BERNARD DIX LITTLEPAGE
103 Cynthia Drive
Hampton, Virginia
Applicator

DWIGHT LOHR
High Point, N. C.
Applicator

RICHARD LOTT
c/o Craft Spraying Inc.
Farmville, N. C.
333 Pine Street
Metter, Georgia
Applicator

JACK LOWERS
Route 3, Box 22B
Clinton, N. C.
Applicator and Contractor

JOSEPH K. LUTZ
c/o Craft Spraying Inc.
Box 172
Farmville, N. C.
1 Dartmouth Circle
Swarthmore, Pennsylvania
Applicator

RICHARD NEIL MACKENZIE
Box 325
Pine Level, N. C.
Applicator

MARSHALL FARM AIR SERVICE, INC.
100 Jervey Road
Tryon, N. C.
Brevard Airport
Brevard, N. C.
Contractor

ERNEST H. MARSHALL
1805 Brevard Road
P. O. Box 51
Hendersonville, N. C.
Applicator

GEORGE B. MARSHALL
Route 1
Horse Shoe, N. C.
Applicator

HORACE RAY MATTHEWS
3016 Ridgcrest Drive
Rocky Mount, N. C.
Applicator

McNAIR INVESTMENT COMPANY
P. O. Box 1509
Laurinburg, N. C.
Contractor

ROBERT H. MITCHELL
421 So. Pecan
Vivian, Louisiana
Applicator

BRIAN LEE MOLINE
AAA Flying Service
Clinton, N. C.
514 W. Austin Street
Tolono, Illinois
Applicator

HENRY E. MOORE, JR.
Route 4
Clinton, N. C.
Applicator

JAMES EUGENE MOSER, JR.
Route 1
King, N. C.
Applicator

RICHARD H. MUTSCHLER
P. O. Box 1144
Myrtle Beach, South Carolina
Applicator

JAMES A. NAYLOR
P. O. Box 132
Clinton, N. C.
Applicator

ROBERT ALTON NAYLOR
P. O. Box 191
Clinton, N. C.
Applicator

HARRY W. NELSON
Route 1
Dover, N. C.
P. O. Box 883
Ft. Pierce, Florida
Applicator and Contractor

DELMAR C. OWENS
Owens Crop Dusting Service
P. O. Box 245
Williamston, N. C.
Applicator and Contractor

GROVER T. PARKS
Route 1
Climax, N. C.
Applicator and Contractor

DAVID S. PATTERSON
c/o McNair Farms
Laurinburg, N. C.
109 Knoxville
Fort Valley, Georgia
Applicator

FREDERICK M. POWELL
1705 Powatan Street
Fayetteville, N. C.
Applicator and Contractor

JIMMIE JUNIOR PRATHER

P. O. Box 7261
Shreveport, Louisiana
504 W. Alabama
Vivian, Louisiana
Applicator

JAMES C. PRICE

Dillon County Airport
Dillon, South Carolina
Applicator and Contractor

JOHN C. PULLEY

543 Rowland Street
Henderson, N. C.
407 S. Gaskin Avenue
Douglas, Georgia
Applicator

W. C. PURDIN

c/o Coastair
P. O. Box 502
Beaufort, N. C.
335 Fairmont
Medford, Oregon
Applicator

VICTOR RICHARDS

c/o Jernigan Spray Service, Inc.
P. O. Box 488
Ahoskie, N. C.
Union, Maine
Applicator

CLAUDE MITCHELL RIDDLE

Route 2
Dobson, N. C.
Applicator

HAROLD E. ROBERTS

1205 Bonner Street
Washington, N. C.
1235 Westmoreland Drive
McKinney, Texas
Applicator

**ROCKY MOUNT AERIAL APPLICATORS,
INC.**

1320 Horne Street
Rocky Mount, N. C.
Contractor

M. M. RODDY

430 Craig Street
Rocky Mount, N. C.
Applicator

W. B. ROWE

314 W. James
Vivian, Louisiana
Applicator

IRVIN STEWART SIRLOUIS

505 York Road
Jenkintown, Pennsylvania
Applicator

CHARLES ALTON SPILLMAN, JR.

Spillman's Aerial Application
Route 2
Trinity, N. C.
Applicator and Contractor

THOMAS E. STANCIL, JR.

Stancil Flying Service
P. O. Box 101
Washington, N. C.
Applicator and Contractor

DONALD L. STOTESBERRY

Donald's Flying Service
Route 1, Box 336-D
Plymouth, N. C.
Contractor

ELBERT M. SUTHARD, JR.

Route 8, Box 302
Reidsville, N. C.
Applicator and Contractor

JAMES M. SWINT, JR.

Box 21
Douglasville, Texas
Applicator

AYLOR T. TALBOTT

Aylor's Crop Spraying Service
Hali'ax Road
South Boston, Virginia
Applicator and Contractor

DALE E. TAYLOR

191 Prince of Wales Drive
Gahanna, Ohio
Applicator

HORACE A. TAYLOR

P. O. Box 992
Dillon, South Carolina
Applicator

RICHARD U. TEMPLE, JR.

5606 Pinckney Avenue
Myrtle Beach, South Carolina
Applicator

MARSHALL F. TILLET, JR.

Box 488
Ahoskie, N. C.
Box 52, 568 Biscayne Annex
Miami, Florida
Applicator

TRI-STATE DUSTING COMPANY, INC.

Myers Flying
P. O. Box 51
Hendersonville, N. C.
P. O. Box 1271
Homestead, Florida
Contractor

B. W. TRUEBLOOD

206 Southern Blvd.
Rocky Mount, N. C.
Applicator

ROBERT J. TURNER, JR.

Turner's Flying Service
543 Rowland Street
Henderson, N. C.
Applicator and Contractor

GERALD O. TYSON

c/o Craft Spraying Inc.
Farmville, N. C.
56 Terracedale Court
Griffin, Georgia
Applicator

ALBERT RALPH VAUGHAN

Al's Crop Spraying Service
Route 3
Virgilina, Virginia
Applicator and Contractor

GEORGE A. WALKER

c/o King Flying Service
Route 2
King, N. C.
16006-79 A Avenue
Edmonton, Alberta
Applicator

GEORGE D. WALTERS

P. O. Box 84
Elizabeth City, N. C.
Applicator and Contractor

WILLIAM KENNETH WARD
P. O. Box 7261
Shreveport, Louisiana
P. O. Box 867
128 General Lee Drive
Vivian, Louisiana
Applicator

HENRY CLAY WARF
Warf's Flying Service
Route 6
Reidsville, N. C.
Applicator and Contractor

A. J. WARREN
Route 2, Airport Road
Kinston, N. C.
Applicator

RONALD WAYNE
Route 2
Rural Hall, N. C.
Applicator

JIMMY WEATHERS
c/o Robert Avery
Route 3
Dunn, N. C.
WA #29, Los Angeles
San Juan, Puerto Rico
Applicator

HARVEY R. WEAVER
Weaver Spraying Service
1805 Brentwood Street
High Point, N. C.
Applicator and Contractor

RAYMOND M. WESSELLS
Route 2
Preston, Maryland
Applicator and Contractor

WILLIAM E. WHITEHURST
118 W. Third Street
Ayden, N. C.
Applicator and Contractor

FRED L. WHITFIELD
Fred's Spray Service
602 Graham Hopedale Road
Burlington, N. C.
Applicator and Contractor

ROBERT O. WHITFIELD
Whitfield Airplane Spraying
Route 2
Hurdle Mills, N. C.
Applicator and Contractor

JOHN H. WHITTINGTON
1920 Eastway Drive
Charlotte, N. C.
Applicator

ROBERT C. WIGGINS
c/o Coastair
P. O. Box 502
Beaufort, N. C.
Route 2
Ashford, Alabama
Applicator

J. B. WILLIAMS, JR.
1320 Horne Street
Rocky Mount, N. C.
Applicator

J. C. WILSON
Rural Route, River Road
Mooreville, N. C.
Applicator

JOHN C. WINLAND
P. O. Box 7261
Shreveport, Louisiana
6603 Sherry Road, N. W.
Roanoke, Virginia
Applicator

ROY W. WOOD
Route 3, Box 34
Raeford, N. C.
Applicator and Contractor

Chemical and Common Names of Economic Poisons

ALANAP:

N-1-naphthylphthalamic acid

ALDRIN:

Hexachlorohexahydro-endo, exo-dimethanoaphthalene

ALLETHRIN:

dl-2-allyl-4-hydroxy-3-methyl-2-cyclopenten-1-one ester of dl-cis-trans-chrysanthemum monocarboxylic acid

AMIBEN:

3-amino-2,5-dichlorobenzoic acid

ANTU:

Alpha-naphthyl thiourea

ARAMITE:

2(p-tert-butylphenoxy) isopropyl-2-chloroethyl sulfite; Beta-chloroethyl Beta-(p-tertiary-butylphenoxy)-amethyl ethyl sulfite

ARSENIC TRIOXIDE:

Arsenious oxide

ATRAZINE:

2-chloro-4-ethylamino-6-isopropylamino-5-triazine

AZODRIN:

Dimethyl phosphate of 3-hydroxyl-N-methyl-cis-crotonamide

BAYTEX: BAYER 29493:

O, O-Dimethyl O-(4 methylthio-m-toyl) phosphorothioate

BHC:

Benzene hexachloride; 1,2,3,4,5,6-Hexachlorocyclohexane

BIDRIN:

3-(dimethoxyphosphinyloxy)-N,N-dimethyl-cis-crotonamide

BITOXIN:

Dimethyl phosphate of 3-hydroxy N,N-dimethyl-cis-crotonamide

BORAX:

Sodium tetraborate decahydrate

BORIC ACID:

Boric acid; orthoboric acid

CALCIUM ARSENATE:

Tricalcium arsenate

CALCIUM CYANIDE:

Calcium cyanide

CAPTAN:

N-trichloromethylmercapto-4-cyclohexene-1,2-dicarboximide; N-trichloro-methylthio tetrahydrophthalimide

CHLORANIL; SPERGON:

2,3,5,6-Tetrachloro-1,4-benzoquinone

CHLORDANE:

1,2,4,5,6,7,8,8 Octachloro-4,7-methane-3a,4,7,7a-tetrahydroindane

CHLORTHION:

O, O-dimethyl-O-3-chloro-4-nitrophenyl thiophosphate

CIODRIN:

Alpha-methylbenzyl 3-(dimethoxyphosphinyloxy)cis-crotonate

COPPER ARSENATE (BASIC):

Cupric arsenate (Basic)

CO-RAL:

O, O-Diethyl O-(3 chloro-4-methyl-7-coumarinyl phosphorothioate)

2,4-D:

2,4-dichlorophenoxyacetic acid

DACTHAL:

Dimethyl ester of tetrachloro-terephthalic acid

DALAPON:

2,2-dichloropropionic acid

DDD; TDE; ROTHANE:

Dichloro diphenyl dichloroethane; 2,2 bis-(p-chlorophenyl)-1,1-dichloroethane

DDT:

Dichloro diphenyl trichloroethane; trichloro bis-(4-chlorophenyl)ethane

DDVP; VAPONA:

O,O-Dimethyl-2,2-dichloro vinyl phosphate

DELNAV:

2,3-p-dioxane S,S-bis-(O,O-diethyl phosphorodithioate)

DELPHENE; DEET:

N,N-diethyl-m-toluamide; Diethyltoluamide

DEMETON:

Beta-ethylmercapto-ethyl diethyl thionophosphate

DIAZINON:

O,O-diethyl-O-2-isopropyl-4-methyl-6-pyrimidyl thiophosphate

DIBROM; NALED:

O,O-dimethyl-O-(1,2 dibromo-2,2 dichloroethyl) phosphate

DICHLONE; PHYGON:

2,3-Dichloro-1,4-naphthoquinone

DICHLOROPHENE:

2,2'-methylene bis(4-chlorophenol)

DIELDRIN:

Hexachloroepoxyoctahydro-endo,exo-dimethanonaphthalene

DIMETILAN:

A mixture of 2-dimethylcarbonyl-3-methylproazolyl-5(5)-dimethylcarbamate and methyl-pyrazolyl-(5)-dimethylcarbamate

DIMITE:

1,1-Bis (p-chlorophenyl)-ethanol

DINITRO ORTHO CRESOL:

4,6-Dinitro-o-cresol; 2-methyl-4,6-dinitro-phenol

DIPTEREX:

O,O-Dimethyl-1-hydroxy-2,2,2-trichloroethyl phosphonate; Dimethyl-trichloro-hydroxyethylphosphate

DISODIUM METHYL ARSONATE:

Disodium methane arsonate hexahydrate

DISYSTON:

O,O-Diethyl S-2-(ethylthio ethyl phosphoro dithioate

DIURON:

3-(3,4-dichlorophenyl)-1,1-dimethylurea

ENDRIN:

Hexachloroepoxyoctahydro-endo,endo-dimethanonaphthalene

ETHION:

O,O,O',O'-tetraethyl S,S'-methylene bis-phosphorodithioate

ETHYL GUTHION:

O,O-Diethyl S-4-oxo-1,2,3-benzotriazin-3(4H)-ylmethyl phosphorodithioate

FERBAM:

Ferric dimethyldithiocarbamate

FOLEX:

Tributyl phosphorotrithioate

FUMARIN:

3-(1 Furyl-2-acetyl-ethyl) 4-hydroxycoumarin

GLYODIN:

2-Heptadecyl-2-imidazoline

GUTHION:

O,O-Dimethyl S-(4-oxo-1,2,3-benzotriazinyl-3-methyl) phosphorodithioate

HEPTACHLOR:

1,4,5,6,7,8,8a-Heptachloro-3a,4,7,7a-tetrahydro-4,7-endo-methanoindane

HEXACHLOROPHENE:

2,2'-Methylene-bis (3,4,6-trichlorophenol)

KARATHANE; CAPRYL:

4,6-Dinitro-2-caprylphenyl crotonate; 2-(1-methyl heptyl)-4,6-dinitrophenyl crotonate

KELTHANE:

1,1-bis (p-chlorophenyl)-2,2,2-trichloroethanol; Bis (p-chlorophenyl) trichloroethanol

KEPONE:

Decachlorooctahydro-1,3,4-methano-2H-cyclobuta (cd) pentalen-2-one

KORLAN; RONNEL:

Dimethyl trichlorophenyl thiophosphate; O,o-Dimethyl O-2,4,5-trichlorophenyl phosphorothioate

LETHANE A-70:

Beta Beta dithiocyano diethyl ether

LETHANE 60:

Beta thiocycanoethyl esters of C₁₀-C₁₈ aliphatic fatty acids

LETHANE 384:

Beta-Butoxy-Beta-thiocyano-diethyl ether

MALATHION:

O,O-Dimethyl dithiophosphate of diethyl mercaptosuccinate; S-(1,2-dicarbox-ethyl) O,O-dimethyl dithiophosphate

MANEB:

Manganese ethylenebisdithiocarbamate

MEDIBEN:

2-methoxy-3,6-dichlorobenzoic acid

METALDEHYDE:

Metaldehyde; metacetaldehyde

METHOXYCHLOR:

2,2-bis (p-methoxyphenyl)-1,1,1-trichloroethane

METHYL PARATHION:

O,O-Dimethyl-o-p-nitrophenyl thiophosphate

METHYL TRITHION:

O,O-Dimethyl S-(p-chlorophenylthio) methyl phosphorodithioate

MONURON:

3-(p-chlorophenyl)-1,1-dimethylurea

MYLONE:

3,5-Dimethyltetrahydro-1,3,5,2H-thiadiazine-2-thione

NEBURON:

1-n-Butyl-3-(3,4-dichlorophenyl)-1-methylurea

NEMAGON:

1,2-Dibromo-3-chloropropane

NICOTINE:

1,Methyl-2-(3-Pyridyl) pyrrolidine

OVEX; OVOTRAN:

p-Chlorophenyl p-chlorobenzenesulfonate

PARADICHLOROBENZENE:

1,4-Dichlorobenzene

PARATHION:

O,O-Diethyl-o-paranitrophenyl thiophosphate

PARIS GREEN:

Copper acetoarsenite

PENAR:

Dimethyldodecylamine acetate

PENPHENE:

Tetrachlorothiophene

PERTHANE:

1,1-Dichloro-2,2-bis(p-ethylphenyl) ethane

PHALTAN; FOLPET:

N-(trichloromethylthio) phthalimide

PHENOL:

Carbolic Acid

PHOSPHAMIDON:

1-chloro-diethyl-carbomoyl-1-propen-2 yl dimethylphosphate

PHOSDRIN:

Alpha isomer of 2-carbomethoxy-1-methylvinyl dimethyl phosphate

PIPERONYL BUTOXIDE:

Butylcarbityl-6-(propyl piperonyl) ether

PIPERONYL CYCLONENE:

3,Isoamyl-5-(methylenedioxyphenyl)-2-cyclo-hexenone

PIVAL:

2-Pivalyl-1,3-indandione

PIVALYN:

Sodium salt of 2-Pivalyl-1,3-indandione

POTASSIUM CYANATE:

Potassium cyanate

PRAMEX:

N,N-di-n-butyl-p chlorobenzene sulfonamide

PYRETHRUM:

Chrysanthemum cineroreaeefolium

ROTENONE:

Rotenone

SABADILLA:

Schoenocaulon officianale

SANTOPHENE:

O-benzyl-p-chlorophenol

SEVIN; CARBARYL:

1-Naphthyl-N-methyl-carbamate

SHOXIN:

Mixture of stereoisomers of 5-(alpha-hydroxy-alpha-2-pyridylbenzyl)-7-(alpha-2-pyridylbenzylidene)-5-norbornene-2,3-dicarboximide

SILVEX:

2-(2,4,5-Trichlorophenoxy) propionic acid

SODIUM ARSENATE:

Sodium meta-arsenate

SODIUM ARSENITE:

Sodium meta-arsenite

SODIUM FLUORIDE:

Sodium fluoride

SODIUM FLUOSILICATE:

Sodium fluosilicate; sodium silicofluoride

STRYCHNINE:

Nux Vomica alkaloid

STROBANE:

Mixture of heptachlorocamphene, heptachloropinene and other chlorinated terpenes

SULFUR:

Sulfur

2,4,5-T:

2,4,5-Trichlorophenoxyacetic acid

TEDION; TETRADIFON:

2,4,5,4'-Tetrachlorodiphenyl sulphone

TERRACHLOR:

Pentachloronitrobenzene

THALLIUM SULFATE:

Thallous sulfate

THANITE:

Isobornyl thiocyanate

THIODAN; ENDOSULFAN:

6,7,8,9,10,10-Hexachloro-1,5,5a,6,9,9a-hexa-hydro-6,9-methano-2,4,3-benzodioxathiepin-3-oxide

THIRAM:

Tetramethylthiuram disulfide

TOXAPHENE:

Octachlorocamphene

TRITHION; CARBOPHENOTHION:

O,O-Diethyl S-p-chlorophenylthiomethyl phosphorodithioate

VAPAM:

Sodium N-methyl dithiocarbamate dihydrate

VAPONA:

2,2 Dichlorovinyl dimethyl phosphate

VERNAM:

n-propyl-di-n-propylthiolcarbamate

WARFARIN:

3-(a-Acetylbenzyl)-4-hydroxycoumarin

ZECTRAN:

4-dimethylamino-3,5-xylyl N-methylcarbamate

ZINEB:

Zinc etheylenebisdithiocarbamate

ZIRAM:

Zinc dimethyldithiocarbamate

**Official Analyses
of
Economic Poisons
1965**

Summary of Economic Poisons Examined—1965

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Misbranded	Not Registered
Arsenicals					
Arsenic trioxide	7	4	3	—	4
Calcium arsenate preparations	4	—	—	—	—
Lead arsenate preparations	5	1	1	—	1
Sodium arsenate	5	2	1	1	4
Sodium arsenite	—	—	1	—	2
Tricalcium arsenate preparations	4	—	—	—	—
Organic Chlorine Compounds					
Aldrin preparations	18	—	—	—	—
BHC preparations	49	6	3	—	1
Captan preparations	7	1	—	—	—
Chlordane preparations	42	4	—	—	3
Chlorinated C ₈ hydrocarbons	1	—	—	—	—
2,4-D—2,4,5-T preparations	17	—	—	—	1
Dacthal	2	2	—	—	—
DDD preparations	98	19	3	—	3
DDT preparations	200	55	1	—	5
DDVP preparations	15	2	—	—	2
Dibrom	1	3	—	—	—
Dieldrin preparations	15	3	—	—	—
Endrin preparations	8	3	—	—	—
Heptachlor	2	—	—	—	1
Hexachlorophene preparation	1	—	—	—	—
Kelthane	1	—	—	—	—
Kepone	2	—	—	—	—
Methoxychlor preparations	13	1	—	—	—
Nemagon	5	—	—	—	2
Pentachlorophenol	2	—	—	—	—
Perthane preparations	2	1	—	—	—
Phaltan	2	—	—	—	—
Polychlorodicyclopentadiene	1	—	—	—	—
Ronnel preparations	2	—	—	—	—
Strobane preparation	—	1	—	—	—
Thiodan	7	—	—	—	—
Toxaphene preparations	130	21	—	—	2
Trithion	2	—	—	—	—
Metallic Compounds					
Azodrin	—	—	1	—	—
Clodrin	1	—	—	—	—
Copper preparations	17	4	—	—	—
Diazinon preparations	5	—	—	—	—
Ethion	1	—	—	—	—
Ferbam preparations	9	3	1	—	—
Folex	—	—	1	—	—
Malathion preparations	42	34	1	—	3
Maneb	4	8	—	—	—
Methyl parathion	1	2	—	—	1
Parathion preparations	9	5	—	—	—
Phosdrin	—	3	—	—	1
Phosphamidon	—	—	1	—	—
Phosphorus	4	—	—	—	—
Sulphur	2	—	—	—	1
Thallium sulphate	9	1	—	—	—
Zinc phosphide	1	—	—	—	—
Zineb preparations	8	8	—	—	—
Ziram	1	—	—	—	—
Botanicals					
Nicotine	—	—	—	—	1
Pyrethrin preparations	36	2	—	1	7
Rotenone preparations	32	8	—	—	3
Sabadilla	4	—	—	—	—
Strychnine	2	—	—	—	—
Miscellaneous					
Amiben	—	1	—	—	—
Aromatic petroleum derivative solvent	1	—	—	—	—
Boric acid	4	—	3	—	—
Calcium cyanamide	1	—	—	—	—
Calcium polysulfide—Calcium thiosulfate	2	—	—	—	—
Diethanolamine salt of 6-hydroxy-3 (2H) -pyridazinone	1	—	—	—	—

Summary of Economic Poisons Examined—1965—Continued

TYPES	SAMPLES				
	Passed	Deficient	Excessive Active Ingredient	Misbranded	Not Registered
Dimethylamine salt of 4-(2,4-dichlorophenoxy)-butyric acid	1	—	—	—	—
Diphenamid	2	—	—	—	—
Fluorine preparations	15	3	—	—	1
Fumarin	5	—	—	—	—
Hardwood oils	1	—	—	—	—
Lethane 60	1	—	—	—	—
Norbamide	1	—	—	—	—
Penar	2	—	—	—	—
Phenol	6	1	1	—	2
Pival	7	—	—	—	—
Pivalyn	4	—	—	—	—
Sevin preparations	125	11	1	—	5
Thiram	1	—	—	—	—
Vernam	2	—	—	—	—
Warfarin	22	—	—	—	2
TOTALS	1062	223	23	2	58

Number manufacturers registered (total)..... 444
 Number manufacturers registered from North Carolina..... 54
 Number of items registered.....2,998
 Number stop sale orders issued..... 314
 Number of items stopped from sale because of failure to register..... 71

Decisions

The results of analyses of economic poisons are tabulated in the following pages. For the reader's ready interpretation of the analyses, designations used are explained in the following paragraphs.

"Passed" signifies that the labeling and composition of the product satisfactorily complied with guarantees and requirements. Small deviations in analyses are normal.

"Deficient" usually signifies that one or more ingredients fell significantly below guarantee, although it may also indicate an excess of a harmful ingredient, as in case of water-soluble arsenic. Such products, in most instances, qualify as unsatisfactory and are subject to "Stop Sale Order" and removal from the market for reprocessing or relabeling. In borderline cases, where exact values are indeterminate, the product is qualified as deficient but the manufacturer cautioned. In some instances where such goods have been used before analysis could be completed, the manufacturer has made settlement satisfactory to the user.

"Adulterated" indicates that significant quantities of undeclared active ingredients were present. Since proof of adulteration disqualifies a product, analysis may be discontinued at that point thus saving further expenditure of time and work. Such lots, batches or brands are stopped from sale and other appropriate action taken.

"Misbranded" signifies that labeling failed to conform to requirements. Omission of some item or statement is a more common flaw. Among these may be proper ingredient listing, skull and crossbones, "Poison" in red and an antidote where these are required; net contents by weight or volume; class of, and unsulfonated residues of petroleum oils; and percentages of alkaloids instead of crude product such as *sabadilla* seed.

In some instances of misbranding the defect appeared to be inadvertent or of a minor nature. It appeared permissible and fair to allow the manufacturer time for correction. In others, removal from sale was necessary.

"Not Registered" signifies that the product was not registered at the time it was sampled. Prompt registration is required or the product is removed from sales.

As has been the practice in past work, analyses were made largely for those ingredients which were considered of major importance, as, for example, gamma isomer of benzene hexachloride, whereas other isomers were not checked. For sake of brevity, items not generally checked are not listed in the tabulations. This should not be taken to indicate that manufacturers did not include them on labels. This procedure has been followed because it enables a broader coverage of all products offered for sale.

Official Analyses of Economic Poisons, 1965

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions*
ALDRIN			
Armour Agricultural Chemical Co.			
Armagard Aldrin Emulsion Concentrate			
Aldrin.....	24.50	23.33	Passed
Atlas Agricultural Chemicals, Inc.			
Atlas 25% Aldrin Granules			
Aldrin.....	25.00	26.42	Passed
Daly-Herring Co.			
Dee Aitch Aldrin Emulsifiable Concentrate			
Aldrin.....	24.50	25.10	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% Aldrin Granular			
Aldrin.....	10.00	10.29	Passed
FCX Aldrin Emulsifiable Concentrate			
Aldrin.....	23.32	23.38	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 5% Aldrin Granular			
Aldrin.....	5.00	5.29	Passed
do.....	5.00	5.11	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 5% Aldrin Granular			
Aldrin.....	5.00	5.71	Passed
Maxwell Aldrin Emulsible Concentrate			
Aldrin.....	24.74	25.71	Passed
Niagara Chemical Div. FMC Corp.			
Niagara Aldrin 10 Granular			
Aldrin.....	10.00	11.00	Passed

*See preceding page for explanations of "Decisions."

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters 10% Aldrin Granular			
Aldrin.....	10.00	11.19	Passed
Planters Aldrin Emulsion Concentrate			
Aldrin.....	24.50	24.10	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 10% Aldrin Granular			
Aldrin.....	10.00	11.28	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 5% Aldrin Granules			
Aldrin.....	5.00	5.42	Passed
Taylor Chemical Co.			
Superkill 5% Granular Aldrin			
Aldrin.....	5.00	5.18	Passed
do.....	5.00	5.00	Passed
United Co-Operatives, Inc.			
Unico Crow-Defeat Seed Treater			
Aldrin.....	15.00	16.07	Passed
ALDRIN-CAPTAN			
Bonide Chemical Company, Inc.			
Bonide Crotox Powder Seed Protector			
Aldrin.....	5.00		Passed
Captan.....	12.50		
Theoretical chlorine.....	7.33	8.12	
ARSENICALS			
ARSENIC TRIOXIDE			
Atlantic Chemical Corp.			
Nok-Out-Bam			
Arsenic trioxide.....	3.00	1.61	Deficient Not Registered
do.....	3.00	1.92	Deficient Not Registered
do.....	3.00	2.12	Deficient Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carajon Chemical Company, Inc.			
Force's Mole Killer			
Arsenic trioxide.....	5.00	5.14	Passed
Carter's Drugs and Seeds			
Shuco Rat Poison			
Arsenic trioxide.....	2.00	2.65	Passed
S. L. Cowley and Sons Manufacturing Company, Inc.			
Cowley's Rat and Mouse Poison			
Arsenic trioxide.....	1.75	2.16	Passed
do.....	1.75	2.64	Passed
The Master Products Co.			
Rat Stop			
Arsenic trioxide.....	2.00	3.13	Excessive Active Ingredient
F. B. Singletary Jr. and Company, Inc. (Now: Singletary and Company, Inc.)			
Singletary's Single Treatment Pest Control			
Arsenic trioxide.....	3.50	6.49	Excessive Active Ingredient
do.....	3.50	6.09	Excessive Active Ingredient
do.....	3.50	4.75	Passed
do.....	3.50	4.33	Passed
Southern Chemical Co. (Now: Atlantic Chemical Corp.)			
Nok-Out-Bam			
Arsenic trioxide.....	3.00	2.79	Deficient Not Registered
S. C. Wells and Co. (Now: Brown Manufacturing Co.)			
Rough on Rats			
Arsenic trioxide.....	73.90	74.70	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CALCIUM ARSENATE-METALDEHYDE			
California Chemical Company-Ortho Div.			
Ortho Bug-Geta Pellets			
Calcium arsenate.....	5.00	6.40	Passed
Metaldehyde.....	3.25	3.92	
Arsenic as metallic.....	1.88	2.41	
Arsenic as water soluble (not more than).....	1.88	0.63	Passed
Calcium arsenate.....	5.00	6.22	
Metaldehyde.....	3.25	3.60	
Arsenic as metallic.....	1.88	2.34	
Arsenic as water soluble (not more than).....	1.88	0.50	
Swift and Co.			
Agricultural Chemical Div.			
End-O-Pest Snail Slug and Cutworm Pellets			
Calcium arsenate.....	5.00	5.57	Passed
Metaldehyde.....	3.15	4.70	
Arsenic as metallic.....	1.88	2.10	
Arsenic as water soluble (not more than).....	1.25	0.32	Passed
Calcium arsenate.....	5.00	6.66	
Metaldehyde.....	3.15	4.02	
Arsenic as metallic.....	1.88	2.15	
Arsenic as water soluble (not more than).....	1.25	0.09	
LEAD ARSENATE			
Acme Quality Paints, Inc.			
(Registered by The Sherwin-Williams Co.)			
Acme Arsenate of Lead			
Lead arsenate.....	98.00	98.02	Passed
Arsenic as metallic.....	21.15	22.12	
Arsenic as water soluble (not more than).....	0.50	0.50	
Lead as metallic.....	58.00	59.50	
The Piper Company, Inc.			
Paket Roach Bait			
Lead arsenate.....	16.20	23.82	Excessive Active Ingredient Not Registered
Arsenic as metallic.....	3.50	5.14	
Arsenic as water soluble (not more than).....	0.10	0.36	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Co-Operatives, Inc.			
Unico Lead Arsenate (Standard)			
Lead arsenate.....	96.00	97.00	Passed
Arsenic as metallic.....	20.72	21.45	
Arsenic as water soluble (not more than).....	—	0.05	
Lead as metallic.....	58.00	58.90	
Lead arsenate.....	96.00	92.81	Passed
Arsenic as metallic.....	20.72	20.03	
Arsenic as water soluble (not more than).....	0.50	0.16	
Lead as metallic.....	58.00	56.33	

LEAD ARSENATE-CAPTAN-DDT**United Co-Operatives, Inc.**

Unico Fruit Spray Powder

Lead arsenate (Standard).....	25.00	27.75	Passed
Captan.....	10.00		
DDT.....	10.00		
Arsenic as metallic.....	5.39	5.99	
Arsenic as water soluble (not more than).....	0.50	0.033	
Theoretical chlorine.....	8.54	8.66	

LEAD ARSENATE-NICOTINE**Acme White Lead and Color Works**

Acme Vegetable and Flower Garden Dust

Lead arsenate.....	10.00	10.33	Deficient
Nicotine alkaloid.....	3.00	1.44	
Arsenic as metallic.....	1.95	2.23	

LEAD ARSENATE-SULFUR-ZINC**Taylor Chemical Co.**

Superkill Peach Spray No. 3

Lead arsenate.....	11.50	12.41	Passed
Sulfur.....	34.00	33.70	
Zinc.....	9.60	9.58	
Arsenic as metallic.....	2.40	2.68	
Arsenic as water soluble (not more than).....	0.20	0.022	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SODIUM ARSENATE			
Chase Products Co.			
Chases Ant Killer			
Sodium arsenate.....	0.95	1.51	Not Registered
Harris Products Company, Inc.			
"Ant Buttons"			
Sodium arsenate.....	1.71	1.64	Passed
do.....	1.71	1.91	Passed
do.....	1.71	2.18	Passed
do.....	1.71	2.70	Excessive Active Ingredient
Ligons			
Ligon's Ant Exterminator			
Sodium arsenate.....	3.00	2.93	Not Registered Misbranded
Pilot Products			
Pilot Ant Syrup			
Sodium arsenate.....	2.00	1.56	Deficient Not Registered
do.....	2.00	1.61	Deficient Not Registered
Senoret Chemical Company, Inc.			
Terro Ant Killer			
Sodium arsenate.....	2.27	2.60	Passed
do.....	2.27	2.53	Passed
SODIUM ARSENITE			
Apex Chemical Co.			
Apex Weed Killer			
Sodium arsenite.....	34.00	32.91	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
The Piper Company, Inc.			
Paket Ant Bait			
Sodium arsenite.....	0.70	1.99	Excessive Active Ingredient Not Registered

TRICALCIUM ARSENATE-COPPER**Woolfolk Chemical Works, Ltd.**

Security Brand Tomato Dust

Tricalcium arsenate.....	60.00	58.64	Passed
Copper as metallic.....	7.00	7.00	
Arsenic as metallic.....	22.69	22.08	
Arsenic as water soluble (not more than).....	0.49	0.19	
Tricalcium arsenate.....	60.00	62.03	Passed
Copper as metallic.....	7.00	6.82	
Arsenic as metallic.....	22.69	23.35	
Arsenic as water soluble (not more than).....	0.49	0.09	

TRICALCIUM ARSENATE-METALDEHYDE**Boyle-Midway Inc.**

Snarol Meal Metaldehyde Arsenical Bait

Tricalcium arsenate.....	5.00	5.55	Passed
Metaldehyde.....	1.75	2.33	
Arsenic as metallic.....	1.88	2.09	
Arsenic as water soluble (not more than).....	1.25	0.74	

Snarol Pellets

Tricalcium arsenate.....	5.00	6.27	Passed
Metaldehyde.....	3.15	3.69	
Arsenic as metallic.....	1.88	2.36	
Arsenic as water soluble (not more than).....	1.25	0.87	

BHC**Boyle-Midway Inc.**

Bug Killing AeroWax Floor Wax

Gamma isomer of BHC.....	0.50	0.56	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
California Chemical Company-Ortho Div.			
Ortho Isotox Transplanter Solution			
Gamma isomer of BHC.....	5.00	7.90	Excessive Active Ingredient
do.....	5.00	8.30	Excessive Active Ingredient
California Spray-Chemical Corp.			
(Now: California Chemical Company-Ortho Div.)			
Ortho Isotox Transplanter Solution			
Gamma isomer of BHC.....	5.00	7.67	Excessive Active Ingredient
Isotox Liquid Dairy Spray			
Gamma isomer of BHC.....	20.00	22.61	Passed
Carolina Chemical Corp.			
Champion Transplantox			
Gamma isomer of BHC.....	5.00	5.31	Not Registered
Chemical Corporation of America			
Freewax Kills Bugs			
Gamma isomer of BHC.....	0.50	0.57	Passed
S. C. Johnson and Son, Inc.			
Bug Killing Klear Floor Wax with Raid			
Gamma isomer of BHC.....	0.50	0.53	Passed
Dr. LeGear, Inc.			
Dr. LeGear Louse Powder			
Gamma isomer of BHC.....	1.00	1.18	Passed
do.....	1.00	1.10	Passed
do.....	1.00	1.05	Passed
do.....	1.00	1.08	Passed
do.....	1.00	1.15	Passed
Maxwell Insecticide Company, Inc.			
(Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 1% Lindane Dust			
Gamma isomer of BHC.....	1.00	0.95	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Paper Products, Inc.			
No Bugs M'Lady Shelf and Drawer Paper			
Gamma isomer of BHC.....	0.27	0.56	Passed
do.....	0.27	0.23	Passed
do.....	0.27	0.24	Passed
Planters Chemical Corp.			
Planters 1% Lindane Dust			
Gamma isomer of BHC.....	1.00	1.05	Passed
Polk Miller Products Corp.			
Sergeant's Flea Collar for Dogs			
Gamma isomer of BHC.....	0.75	0.72	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's BHC—B-1-E			
Gamma isomer of BHC.....	11.50	11.39	Passed
Taylor Chemical Co.			
Superkill Beetle Spray			
Gamma isomer of BHC.....	11.00	11.40	Passed
United Co-Operatives, Inc.			
Unico 12% Gamma BHC Wettable Powder			
Gamma isomer of BHC.....	12.00	12.70	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand Benzex			
Gamma isomer of BHC.....	6.00	6.07	Passed
do.....	6.00	6.96	Passed
BHC-ARAMITE-DDT-KARATHANE-ZINEB			
Black Leaf Products Co.			
Black Leaf Rose Leaf Floral Dust			
Gamma isomer of BHC.....	1.00		Passed
Aramite.....	1.50		
DDT.....	5.00		
Karathane.....	1.00		
Zineb.....	3.90		
Theoretical chlorine.....	3.39	3.49	
Theoretical nitrogen.....	0.47	0.46	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell's New Formula Rose Dust			
Gamma isomer of BHC.....	1.00		Passed
Aramite.....	1.50		
DDT.....	5.00		
Karathane.....	1.00		
Zineb.....	6.00		
Theoretical chlorine.....	3.39	3.41	
Theoretical nitrogen.....	0.68	0.81	
Gamma isomer of BHC.....	1.00		Passed
Aramite.....	1.50		
DDT.....	5.00		
Karathane.....	1.00		
Zineb.....	6.00		
Theoretical chlorine.....	3.39	3.66	
Theoretical nitrogen.....	0.68	0.62	
BHC-CAPTAN			
California Chemical Company-Ortho Div.			
Isotox 25 Seed Treater (F)			
Gamma isomer of BHC.....	25.00		Passed
Captan.....	12.50		
Theoretical chlorine.....	22.72	21.65	
BHC-DDD-KELTHANE-MALATHION			
Thompson Chemicals Corp.			
Multi-Pest Kill			
Gamma isomer of BHC.....	5.00		Deficient
DDD.....	5.00		
Kelthane.....	3.00		
Malathion.....	10.00	8.46	
Theoretical chlorine.....	7.32	8.00	
BHC-DDT			
Pee Dee Chemicals, Inc.			
Palmetto Brand 3-10-0 BHC Cotton Dust			
Gamma isomer of BHC.....	3.00	2.92	Passed
DDT.....	10.00	10.65	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear 3 % BHC 7 % DDT Dust BD 3-7 D			
Gamma isomer of BHC.....	3.00	2.90	Passed
DDT.....	7.00	7.87	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Woolfolk Chemical Works, Ltd.

Security Brand 3-10-0 Cotton Dust

Gamma isomer of BHC.....	3.00	3.21	Passed
DDT.....	10.00	10.70	

BHC-DDT-KARATHENE-KELTHANE-ZINEB**Rigo Manufacturing Co.**

Kill-Ko Rose Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Karathane.....	1.00		
Kelthane.....	1.50		
Zineb.....	3.90		
Theoretical chlorine.....	3.95	5.05	
Theoretical nitrogen.....	0.47	0.48	
Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Karathane.....	1.00		
Kelthane.....	1.50		
Zineb.....	3.90		
Theoretical chlorine.....	3.95	5.16	
Theoretical nitrogen.....	0.47	0.50	

BHC-DDT-PHALTAN-SULFUR**California Chemical Company-Ortho Div.**

Ortho Rose Dust

Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	7.50		
Sulfur.....	30.00	29.36	
Theoretical chlorine.....	5.92	5.71	
Gamma isomer of BHC.....	1.00		Passed
DDT.....	5.00		
Phaltan.....	7.50		
Sulfur.....	30.00	30.65	
Theoretical chlorine.....	5.92	5.84	

BHC-DDT-PHALTAN-SULFUR-ZINEB**United Co-Operatives, Inc.**

Unico Rose and Floral Dust

Gamma isomer of BHC.....	1.00		Deficient
DDT.....	5.00		
Phaltan.....	5.00		
Sulfur.....	25.00	24.05	
Zineb.....	5.00	3.65	
Theoretical chlorine.....	5.02	4.88	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
BHC-DDT-SULFUR-ZINEB			
United Co-Operatives, Inc.			
Unico Rose and Floral Spray Powder			
Gamma isomer of BHC.....	3.00		Deficient
DDT.....	12.50		
Sulfur.....	20.00	20.91	
Zineb.....	12.50	11.11	
Theoretical chlorine.....	8.44	7.48	
Gamma isomer of BHC.....	3.00		Deficient
DDT.....	12.50		
Sulfur.....	20.00	19.78	
Zineb.....	12.50	11.02	
Theoretical chlorine.....	8.44	8.68	
BHC-DDT-THANITE			
Esso Standard Oil Co.			
(Now: Humble Oil and Refining Co.)			
Flit Fly and Mosquito Killer			
Gamma isomer of BHC.....	0.075		Passed
DDT.....	1.75		
Thanite.....	1.00	Present	
Theoretical chlorine.....	0.93	0.91	
BHC—HEXACHLOROPHENE— 2,2'THIOBIS (4-6 DICHLOROPHENOL)			
Dr. LeGear, Inc.			
Dr. LeGear's Flea Tick Powder			
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.73	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.71	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.79	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.73	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dr. LeGear's Flea Tick Powder (Continued)			
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.74	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.67	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.75	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.77	
Gamma isomer of BHC.....	1.00		Passed
Hexachlorophene.....	1.00		
2,2'Thiobis (4-6 dichlorophenol).....	1.00		
Theoretical chlorine.....	1.65	1.71	

BHC-KARATHANE-KELTHANE-SEVIN-ZINEB**Woolfolk Chemical Works, Ltd.****Security Brand Pan Plant Dust**

Gamma isomer of BHC.....	1.00		Passed
Karathane.....	1.00		
Kelthane.....	2.00		
Sevin.....	5.00		
Zineb.....	6.00		
Theoretical chlorine.....	1.69	1.65	
Theoretical nitrogen.....	1.03	1.16	

BHC-MALATHION-PHENOLS**Carbola Chemical Company, Inc.****Carbola Dry Insecticide Deodorant Soil Treatment**

Gamma isomer of BHC.....	0.22	0.25	Deficient
Malathion.....	0.66	0.20	
Phenols.....	1.60	Present	

BHC-MANEb**Southern Agricultural Insecticides, Inc.****SA-50 Brand Cucumber and Squash Dust
Containing Maneb and Lindane**

Gamma isomer of BHC.....	1.00	1.50	Passed
Maneb.....	5.60	5.52	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Smith-Douglass Company, Inc.

Smith-Douglass 1% Lindane—8% Manzate

Gamma isomer of BHC.....	1.00	1.15	Deficient
Maneb.....	6.40	4.80	

BHC-METHOXYCHLOR-SULFUR**Ralston Purina Co.**

Purina Insect Killer

Gamma isomer of BHC.....	0.50		Passed
Methoxychlor.....	2.50		
Sulfur.....	10.00	10.85	
Theoretical chlorine.....	1.12	1.29	

BHC-PINE OIL**Allied Drug Products Co.**

Dr. Thacker's Mange Cure

Gamma isomer of BHC.....	5.00	6.06	Passed
Pine oil.....	65.00	Present	

BHC-SULFUR**Ralston Purina Co.**

Purina Hog and Cattle Dusting Powder

Gamma isomer of BHC.....	1.00	1.10	Passed
Sulfur.....	10.00	10.00	

BHC-TOXAPHENE**California Chemical Company-Ortho Div.**

Ortho Kleen Stock Spray or Dip

Gamma isomer of BHC.....	1.70		Passed
Toxaphene.....	43.40		
Theoretical chlorine.....	30.32	31.18	

Ralston Purina Co.

Purina Liquid Stock Spray

Gamma isomer of BHC.....	2.70		Passed
Toxaphene.....	45.00		
Theoretical chlorine.....	32.12	32.81	

BORIC ACID**P. F. Harris Manufacturing Company, Inc.**

Harris Famous Roach Tablets

Boric acid.....	40.00	41.80	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
James W. King Co.			
King Roach Killer Kaps			
Boric acid.....	40.00	55.08	Excessive Active Ingredient
do.....	40.00	53.98	Excessive Active Ingredient
do.....	40.00	51.08	Excessive Active Ingredient
Pest-Guard Products, Inc.			
Pest-Guard Roach Tubes			
Boric acid.....	40.00	38.36	Passed
Pest-Guard Roach Tablets			
Boric acid.....	40.00	40.95	Passed
Spindle City Chemical Co.			
Doc Edmonds' Roach Powder			
Boric acid.....	99.00	97.72	Passed
CALCIUM POLYSULFIDE- CALCIUM THIOSULFATE			
Farmers Cooperative Exchange, Inc.			
FCX Lime Sulphur Solution			
Calcium polysulfide.....	29.00	28.76	Passed
Calcium thiosulfate.....	1.00	1.20	
Taylor Chemical Co.			
Superkill Lime Sulphur Solution			
Calcium polysulfide.....	29.00	33.40	Passed
Calcium thiosulfate.....	1.00	1.17	
CAPTAN-KELTHANE-SEVIN			
Woolfolk Chemical Works, Ltd.			
Security Brand Pan Fruit Dust or Spray			
Captan.....	7.50	8.24	Passed
Kelthane.....	2.00		
Sevin.....	7.50		
Theoretical chlorine.....	3.62		

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
CAPTAN-MALATHION-METHOXYCHLOR-SULFUR			
Boyle-Midway Inc.			
Antrol Multi-Purpose Rose and Flower Dust			
Captan.....	4.00		Passed
Malathion.....	4.00	4.69	
Methoxychlor.....	5.00		
Sulfur.....	25.00	25.79	
Theoretical chlorine.....	2.94	3.02	
Captan.....	4.00		Passed
Malathion.....	4.00	4.16	
Methoxychlor.....	5.00		
Sulfur.....	25.00	26.80	
Theoretical chlorine.....	2.94	3.02	
CAPTAN-METHOXYCHLOR-ROTENONE-SULFUR			
United Co-Operatives, Inc.			
Unico Dust for Small Fruits			
Captan.....	7.50		Passed
Methoxychlor.....	5.00		
Rotenone.....	1.00	Present	
Sulfur.....	25.00	24.81	
Theoretical chlorine.....	4.18	4.09	
CAPTAN-METHOXYCHLOR-SEVIN			
Rigo Manufacturing Co.			
Kill-Ko 3 in 1 Garden Dust			
Captan.....	4.00		Passed
Methoxychlor.....	5.00		
Sevin.....	1.75		
Theoretical chlorine.....	2.94	3.21	
Theoretical nitrogen.....	0.30	0.49	
CAPTAN-PENTACHLORONITROBENZENE			
California Chemical Company-Ortho Div.			
Orthocide Soil Treater X			
Captan.....	10.00		Passed
Pentachloronitrobenzene.....	10.00		
Theoretical chlorine.....	9.54	9.65	
Olin Mathieson Chemical Corp.			
Mathieson Terracap 10-10 Dust			
Captan.....	10.00		Passed
Pentachloronitrobenzene.....	10.00		
Theoretical chlorine.....	9.54	9.95	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CAPTAN-PYRETHRINS-ROTENONE-SULFUR-ZINEB

National Carbon Co.
Division of Union Carbide
(Now: Union Carbide Corp.
Consumer Products Div.)

Eveready Tomato Dust

Captan.....	4.00	4.55	Deficient
Pyrethrins.....	0.04	0.04	
Rotenone.....	0.62	Present	
Sulfur.....	15.00	15.94	
Zineb.....	4.00	1.41	

CHLORDANE

Acme Quality Paints, Inc.
(Registered by The Sherwin-Williams Co.)

Acme 6% Chlordane Dust

Chlordane.....	6.00	6.42	Passed
do.....	6.00	6.38	Passed

Black Leaf Products Co.

Black Leaf Chlordane Dust

Chlordane.....	10.00	10.71	Passed
do.....	10.00	9.00	Deficient

California Chemical Company-Ortho Div.

Ortho-Klor 10 Chlordane Dust

Chlordane.....	10.00	9.71	Passed
do.....	10.00	9.50	Passed
do.....	10.00	10.07	Passed
do.....	10.00	10.07	Passed

Ortho-Klor 44 Chlordane Spray

Chlordane.....	44.00	44.45	Passed
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Ortho Chlordane 8 Emulsive

Chlordane.....	72.00	73.24	Passed
do.....	72.00	72.98	Passed
do.....	72.00	72.48	Passed

Carbola Chemical Company, Inc.

Carbola CCC 6% Chlordane Dust

Chlordane.....	6.00	6.60	Passed
do.....	6.00	6.17	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 50 % Wettable Chlordane Powder			
Chlordane.....	50.00	48.55	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 5 % Chlordane Dust			
Chlordane.....	5.00	4.39	Deficient
Maxwell Chlordane-8 Emulsifiable Concentrate			
Chlordane.....	72.00	72.94	Passed
Graham Chemical Company, Inc.			
Red Star Chlordane			
Chlordane.....	70.48	71.19	Passed
GurMiCo Chemicals, Inc.			
Chlordane-8 Emulsifiable Concentrate			
Chlordane.....	72.00	73.70	Passed
Hopkins Agricultural Chemical Co.			
Hopkins Fire Ant Dust			
Chlordane.....	10.00	9.14	Deficient
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Chlordane-8 Emulsifiable Concentrate			
Chlordane.....	72.00	71.01	Passed
do.....	72.00	72.38	Passed
Mike, Inc.			
101 Brand 10 % Chlordane Dust			
Chlordane.....	10.00	9.14	Deficient Not Registered
Pest-Guard Products, Inc.			
Pest-Guard Bug-Proof Garbage Bags			
Chlordane.....	0.17	0.25	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Sears, Roebuck and Co.			
Cross Country 10% Chlordane Many Purpose Dust			
Chlordane.....	10.00	9.86	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Chlordane Dust			
Chlordane.....	10.00	10.43	Passed
do.....	10.00	10.71	Passed
do.....	10.00	10.71	Passed
do.....	10.00	11.29	Passed
SA-50 Brand 40% Chlordane Wettable Spray Concentrate			
Chlordane.....	40.00	41.69	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's 10% Chlordane Dust			
Chlordane.....	10.00	10.00	Passed
Taylor Chemical Co.			
Superkill 10% Granular Chlordane			
Chlordane.....	10.00	10.86	Passed
do.....	10.00	11.29	Passed
Superkill 45% Chlordane			
Chlordane.....	45.00	44.70	Passed
United Co-Operatives, Inc.			
Unico Lawn Granules			
Chlordane.....	5.00	4.86	Passed
Unico Termite Kill			
Chlordane.....	45.00	47.53	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 5% Chlordane Dust			
Chlordane.....	5.00	5.00	Passed
Security Brand 10% Chlordane Dust			
Chlordane	10.00	11.36	Passed
Security Brand 40% Chlordane Wettable			
Chlordane.....	40.00	40.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CHLORDANE-BORIC ACID

Heller Laboratories, Inc.
A Division of B. Heller and Co.

\$1000 Guaranteed Roach Killer

Chlordane	0.20	0.45	Passed
Boric acid.....	51.00	52.16	

CHLORDANE-DIAZINON

Greever's

Greever's Improved Roach and Ant Powder

Chlordane	3.00	2.96	Passed
Diazinon.....	0.50	0.65	

**CHLORDANE—DIAZINON—N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—PIPERONYL BUTOXIDE—PYRETHRINS**

Hot Shot Quality Products, Inc.

Hot Shot Roach and Ant Bug Killer

Chlordane.....	1.00	0.98	Passed
Diazinon.....	0.333		
N-octyl bicycloheptene dicarboxi- mide.....	0.125		
Piperonyl butoxide.....	0.075	0.07	
Pyrethrins.....	0.05	0.05	
Theoretical nitrogen.....	0.04	0.07	

CHLORDANE-DIAZINON-PYRETHRINS

Gulf Oil Corp.

Gulf Liquid Roach Ant Killer

Chlordane.....	1.00	1.18	Passed
Diazinon.....	0.33	0.54	
Pyrethrins.....	0.08	0.08	

CHLORDANE-LETHANE 60-LETHANE 384

Rigo Manufacturing Co.

Kill-Ko Roach and Ant Killer

Chlordane.....	2.50	2.86	Passed
Lethane 60.....	1.79		
Lethane 384.....	1.19		
Theoretical nitrogen.....	0.09	0.18	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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CHLORDANE-MALATHION- PIPERONYL BUTOXIDE-PYRETHRINS

United Co-Operatives, Inc.

Unico Ant and Roach Killer

Chlordane.....	2.00	2.01	Passed
Malathion.....	1.00	0.95	
Piperonyl butoxide.....	0.20	0.19	
Pyrethrins.....	0.02	0.03	

CHLORDANE-PIPERONYL BUTOXIDE-PYRETHRINS

M. B. S. Inc.

Parkway Ant and Roach Killer

Chlordane.....	2.00	1.90	Not Registered
Piperonyl butoxide.....	0.092	0.076	
Pyrethrins.....	0.046	0.06	

CHLORDANE-PIPERONYL CYCLONENE-PYRETHRINS

Boyle-Midway Inc.

Black Flag Insecticide Powder

Chlordane.....	1.50	2.14	Passed
Piperonyl cyclonene.....	0.35	Present	
Pyrethrins.....	0.06	0.09	

CHLORDANE-PYRETHRINS

Gulf Oil Corp.

Gulf Ant Roach Bomb

Chlordane.....	2.00	1.90	Passed
Pyrethrins.....	0.08	0.10	

COPPER

Acme Quality Paints, Inc. (Registered by The Sherwin-Williams Co.)

Acme Bordeaux Mixture

Copper as metallic.....	12.75	12.53	Passed
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J. M. Harris and Company, Inc.

Dragon Tomato Dust

Copper as metallic.....	7.00	7.03	Passed
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Southern Agricultural Insecticides, Inc.

SA-50 Brand Tomato Dust

Copper as metallic.....	7.00	6.80	Passed
do.....	7.00	7.00	Passed
do.....	7.00	7.24	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Co-Operatives, Inc.			
Unico Bordeaux Spray Powder			
Copper as metallic.....	12.75	13.66	Passed
COPPER NAPHTHENATE			
Clarke and Proctor Turpentine Company, Inc.			
Oh Boy Copper Naphthenate Wood Preservative			
Copper naphthenate.....	20.00		Deficient
Copper as metallic.....	2.00	1.74	
King Chemical Co.			
Coppo Copper Naphthenate			
Copper naphthenate.....	10.00		Passed
Copper as metallic.....	1.00	1.04	
Shepard Chemical Works, Inc.			
Shepard's Copper Naphthenate Wood Preservative			
Copper naphthenate.....	20.00		Deficient
Copper as metallic.....	2.00	0.90	
COPPER-SULFUR			
Armour Agricultural Chemical Co.			
Armagard Copper-Sulfur Dust for Peanuts			
Copper as metallic.....	4.00	3.86	Passed
Sulfur.....	85.00	82.21	
Coastal Chemical Corp.			
Coastal 4 % Metallic Copper 85.5 % Sulfur Peanut Dust			
Copper as metallic.....	4.00	4.30	Passed
Sulfur.....	85.50	86.38	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulfur Peanut Dust			
Copper as metallic.....	4.00	4.02	Passed
Sulfur.....	85.56	85.35	
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Copper-Sulfur Peanut Dust 4-80			
Copper as metallic.....	4.00	3.68	Deficient
Sulfur.....	80.00	83.44	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo Peanut 4% Copper 80% Sulfur Dust			
Copper as metallic.....	4.00	4.59	Deficient
Sulfur.....	80.00	67.26	
Howerton Gowen Chemicals, Inc.			
Gowen's Air-Floated Copper Sulfur Dust			
Copper as metallic.....	4.00	4.39	Passed
Sulfur.....	90.00	90.26	
Niagara Chemical Div. FMC Corp.			
Niagara Kolo Peanut Dust 4-70			
Copper as metallic.....	4.00	4.10	Passed
Sulfur.....	70.00	70.67	
Niagara Peanut Dust 40-80			
Copper as metallic.....	4.00	3.80	Passed
Sulfur.....	80.00	80.74	
Olin Mathieson Chemical Corp.			
Mathieson Peanut Dust			
Copper as metallic.....	4.00	3.84	Passed
Sulfur.....	89.00	88.91	
Smith-Douglass Company, Inc.			
Smith-Douglass Copper-Sulfur Dust for Peanuts			
Copper as metallic.....	4.00	3.81	Passed
Sulfur.....	85.00	82.43	
Standard Spray and Chemical Co.			
Standard Brand 4% Copper 85% Sulfur Dust			
Copper as metallic.....	4.00	3.92	Passed
Sulfur.....	85.00	84.00	
Swift and Co. Agricultural Chemical Div.			
Swift's 4% Copper 85% Sulfur Dust CS4-85D			
Copper as metallic.....	4.00	3.81	Passed
Sulfur.....	85.00	84.97	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
2,4-D			
Amchem Products, Inc.			
Amchem Weedar 64 Weed Killer			
Dimethylamine salt of 2,4-D.....	49.50	52.90	Passed
Armour Agricultural Chemical Co.			
Armagard 2,4-D Amine No. 4			
Dimethylamine salt of 2,4-D.....	49.60	47.98	Passed
E. I. du Pont de Nemours and Co.			
DuPont Lawn Weed Killer			
Dimethylamine 2,4-D acetate.....	13.90	14.58	Passed
The Dow Chemical Co.			
Dow Formula 40 Weed Killer			
Alkanolamine salt of 2,4-D.....	65.00		Passed
2,4-D equivalent.....	39.00	40.68	
Dow Esteron 99 Concentrate			
Propylene glycol butyl ether esters of 2,4-D.....	72.00	72.00	Passed
Monsanto Co.			
Monsanto 2,4-D Amine Weed Killer			
Dimethylamine salt of 2,4-D.....	49.50	47.10	Passed
Olin Mathieson Chemical Corp.			
Mathieson Amine 40 Weed Killer			
Dimethylamine salt of 2,4-D.....	49.20	49.62	Passed
Reasor-Hill Corp. (Now: Hercules Powder Co.)			
R-H Granular Weed Rhap-20			
Isooctyl ester of 2,4-D.....	30.12	32.24	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 2,4-D 4# Amine Weed Killer			
Dimethylamine salt of 2,4-D.....	49.80	48.53	Passed
Smith-Douglass 2,4-D Low Volatile Ester Weed Killer			
Isooctyl ester of 2,4-D.....	67.20	69.36	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Swift and Co.
Agricultural Chemical Div.

Swift's Gran-U-Kil "20"-2,4-D Crop Weed Control

Isooctyl ester of 2,4-D.....	30.17	30.97	Passed
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Swift's Gold Bear 40 Amine Weed Control

Dimethylamine salt of 2,4-D.....	49.50	53.00	Passed
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Thompson-Hayward Chemical Co.

De-Pester Ded-Weed 40 Amine Salt

Dimethylamine salt of 2,4-D.....	49.40	49.44	Passed
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T-H Ded-Weed LV-2

Isooctyl ester of 2,4-D.....	36.20	39.20	Not Registered
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2,4-D—2,4,5-T

Smith-Douglass Company, Inc.

Smith-Douglass 2,4-D/2,4,5-T/Low Volatile Ester Brush Killer

Isooctyl ester of 2,4-D.....	33.15		Passed
Isooctyl ester of 2,4,5-T.....	31.70		
Theoretical chlorine.....	16.23	16.27	

United Co-Operatives, Inc.

Unico Brush Killer

Butyl ester of 2,4-D.....	29.30		Passed
Butyl ester of 2,4,5-T.....	14.20		
Theoretical chlorine.....	12.35	12.05	

2,4,5-T

The Dow Chemical Co.

Dow Reddon Farm Brush Killer

Propylene glycol butyl ether esters of 2,4,5-T.....	20.40	20.66	Passed
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DACTHAL

Farmers Cooperative Exchange, Inc.

FCX 5% Dacthal Granules

Dacthal.....	5.00	4.71	Deficient
do.....	5.00	4.21	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
J. M. Harris and Company, Inc.			
Dragon No-Ho			
Dacthal.....	5.00	4.75	Passed
do.....	5.00	5.36	Passed
DDD			
Armour Agricultural Chemical Co.			
Armagard TDE 2 lb. Emulsion Concentrate			
DDD.....	23.80	23.35	Passed
California Chemical Company-Ortho Div.			
Ortho TDE-2 Spray XB			
DDD.....	25.00	26.22	Passed
do.....	25.00	26.25	Passed
do.....	25.00	24.96	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 2-lb. TDE (Rhothane) Emulsion			
DDD.....	23.80	23.54	Passed
Carolina Chemical Corp.			
10% TDE Dust			
DDD.....	10.00	10.00	Passed
Tobacco Spray Rhothane Emulsible Concentrate			
DDD.....	23.98	24.53	Passed
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand TDE Emulsion 3 Pounds			
DDD.....	35.50	36.42	Passed
do.....	35.50	36.48	Passed
do.....	35.50	35.52	Passed
do.....	35.50	35.81	Passed
Clark Chemical Co.			
TDE 25 Miscible			
DDD.....	25.00	25.01	Not Registered

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 10% TDE Dust			
DDD.....	10.00	5.14	Deficient
TDE Emulsion			
DDD.....	24.00	24.78	Passed
Daly-Herring Co.			
Bacco 10% TDE Dust			
DDD.....	10.00	9.93	Passed
Bacco Spray Emulsifiable Concentrate			
DDD.....	25.00	25.80	Passed
do.....	25.00	25.91	Passed
Farmers Cooperative Exchange, Inc.			
FCX 10% TDE Dust			
DDD.....	10.00	10.36	Passed
do.....	10.00	9.57	Passed
FCX TDE Emulsifiable Concentrate			
DDD.....	23.90	24.34	Passed
do.....	23.90	25.80	Passed
do.....	23.90	25.42	Passed
do.....	23.90	23.97	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 25% Rhothane Emulsion Concentrate			
DDD.....	25.00	22.60	Deficient
Graham Chemical Company, Inc.			
Graham's Red Star Tobacco Spray Emulsifiable Concentrate 25% TDE			
DDD.....	25.00	25.37	Passed
GurMiCo Chemicals, Inc.			
GurMiCo TDE 25 Emulsion			
DDD.....	25.00	26.24	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 10% TDE Dust			
DDD.....	10.00	10.00	Passed
Maxwell 25% Rhothane Emulsion Concentrate			
DDD.....	25.00	25.45	Passed
Olin Mathieson Chemical Corp.			
Mathieson TDE 3 lb. Emulsifiable			
DDD.....	34.50	36.35	Passed
Pee Dee Chemicals, Inc.			
Palmetto Brand TDE Emulsible Concentrate			
DDD.....	23.80	24.19	Passed
W. R. Peele Company, Inc.			
Pelco TDE Tobacco Spray Emulsifiable Concentrate			
DDD.....	23.75	24.70	Passed
do.....	23.75	24.97	Passed
do.....	23.75	24.69	Passed
Planters Chemical Corp.			
Planters TDE 2 lb. Emulsion Concentrate			
DDD.....	23.80	24.19	Passed
do.....	23.80	24.08	Passed
do.....	23.80	24.96	Passed
do.....	23.80	23.84	Passed
do.....	23.80	24.64	Passed
do.....	23.80	23.88	Passed
Royster Chemical Co.			
Royster Chem-Pest "20T" Spray Concentrate			
DDD.....	23.70	24.80	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 10% TDE Dust			
DDD.....	10.00	9.64	Passed
Smith-Douglass 2 lb. TDE Emulsion Concentrate			
DDD.....	23.80	24.97	Passed
do.....	23.80	24.83	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**Swift and Co.
Agricultural Chemical Div.**

Swift's Gold Bear TDE H2E

DDD.....	23.80	23.02	Passed
do.....	23.80	23.57	Passed

Taylor Chemical Co.

Superkill 24% TDE Emulsifiable Concentrate

DDD.....	24.00	24.11	Passed
do.....	24.00	23.82	Passed
do.....	24.00	24.27	Passed

DDD-DIELDRIN

California Chemical Company-Ortho Div.

Ortho Tobacco Spray-D

DDD.....	24.50		Passed
Dieldrin.....	2.30		
Theoretical chlorine.....	12.14	12.56	
DDD.....	24.50		Passed
Dieldrin.....	2.30		
Theoretical chlorine.....	12.14	12.59	

United Co-Operatives, Inc.

Unico T-D Tobacco Spray

DDD.....	23.20		Passed
Dieldrin.....	2.20		
Theoretical chlorine.....	11.50	11.99	

DDD-MANEB

**E-Z-Flo Chemical Co.
(Registered by Taylor Chemical Co.)**

E-Z-Flo Dust No. 75-MD 7% Manzate-5% DDD (TDE)

DDD.....	5.00	5.29	Passed
Maneb.....	4.90	5.78	

DDD-PARATHION

American Oil Co.

Amoco 10 TDE-1 Par Dust

DDD.....	10.00	10.21	Deficient
Parathion.....	1.00	0.88	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Armour Agricultural Chemical Co.			
Armagard TDE Parathion Emulsifiable Concentrate			
DDD.....	24.20	25.14	Passed
Parathion.....	6.00	5.96	
California Chemical Company-Ortho Div.			
Ortho Parathion-TDE 1-10 Dust			
DDD.....	10.00	9.22	Deficient
Parathion.....	1.00	1.09	
Ortho Parathion-TDE .5-2 Emulsive			
DDD.....	24.00	24.44	Passed
Parathion.....	6.00	6.14	
Carolina Chemical Corp.			
Budworm Special			
DDD.....	23.39	23.10	Deficient Not Registered
Parathion.....	5.86	5.39	
Tobacco King			
DDD.....	23.39	24.33	Passed
Parathion.....	5.86	5.60	
DDD.....	23.39	24.29	Passed
Parathion.....	5.86	5.73	
DDD.....	23.39	23.45	Deficient
Parathion.....	5.86	5.25	
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand TDE-Parathion Tobacco Poison			
DDD.....	24.00	23.39	Passed
Parathion.....	5.00	5.54	
DDD.....	24.00	25.07	Passed
Parathion.....	5.00	6.00	
DDD.....	24.00	24.56	Excessive Active Ingredient
Parathion.....	5.00	6.46	
Clark Chemical Co.			
M.G. Tobacco Spray Special Emulsifiable Liquid			
DDD.....	34.40	27.09	Deficient Not Registered
Parathion.....	8.60	2.05	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 10% TDE 1% Parathion			
DDD.....	10.00	10.07	Deficient
Parathion.....	1.00	0.86	
Knox-Out Tobacco Spray Emulsifiable Concentrate			
DDD.....	24.00	24.49	Passed
Parathion.....	5.80	5.77	
DDD.....	24.00	24.97	Passed
Parathion.....	5.80	5.91	
DDD.....	24.50	24.94	Passed
Parathion.....	6.40	6.08	
DDD.....	24.50	24.51	Deficient
Parathion.....	6.40	5.98	
Daly-Herring Co.			
Dee Aitch TDE-Parathion Spray			
DDD.....	24.50	25.78	Passed
Parathion.....	6.40	6.12	
Farmers Cooperative Exchange, Inc.			
FCX 10% TDE-1% Parathion Dust			
DDD.....	10.00	9.72	Passed
Parathion.....	1.00	0.95	
DDD.....	10.00	10.29	Passed
Parathion.....	1.00	0.95	
FCX Tobacco Bug Blaster			
DDD.....	23.20	27.60	Passed
Parathion.....	5.70	5.58	
DDD.....	23.20	24.26	Passed
Parathion.....	5.70	5.75	
DDD.....	23.20	23.73	Passed
Parathion.....	5.70	6.17	
DDD.....	23.20	24.59	Passed
Parathion.....	5.70	6.08	
DDD.....	23.20	23.81	Passed
Parathion.....	5.70	6.29	
DDD.....	23.20	24.74	Passed
Parathion.....	5.70	6.14	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Tobacco Spray-Plus Emulsion Concentrate			
DDD.....	24.00	24.64	Passed
Parathion.....	6.00	5.96	
DDD.....	24.00	24.70	Passed
Parathion.....	6.00	5.85	
DDD.....	24.00	24.01	Passed
Parathion.....	6.00	5.87	
GurMiCo Chemicals, Inc.			
GurMiCo 2 lbs. TDE 0.5 lbs. Parathion Emulsion Spray			
DDD.....	25.00	26.88	Excessive Active Ingredient
Parathion.....	6.20	7.45	
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 10-1 % Tobacco Dust			
DDD.....	10.00	10.07	Deficient
Parathion.....	1.00	0.81	
Maxwell Tobacco Spray Plus			
DDD.....	24.00	24.91	Passed
Parathion.....	6.00	6.15	
DDD.....	24.00	25.07	Passed
Parathion.....	6.00	6.60	
Niagara Chemical Div. FMC Corp.			
Niagara Phoskil DDD Miscible			
DDD.....	24.00	24.03	Passed
Parathion.....	6.00	6.00	
Olin Mathieson Chemical Corp.			
Mathieson Tobacco Dust 10-1			
DDD.....	10.00	10.29	Passed
Parathion.....	1.00	0.95	
DDD.....	10.00	10.22	Passed
Parathion.....	1.00	1.00	
Mathieson END-DT Special Emulsifiable Liquid			
DDD.....	34.40	34.57	Passed
Parathion.....	8.60	8.92	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Mathieson END-DT Special Emulsifiable Liquid (Continued)			
DDD.....	34.40	34.77	Passed
Parathion.....	8.60	8.95	
DDD.....	34.40	33.94	Passed
Parathion.....	8.60	8.28	
DDD.....	34.40	34.46	Excessive Active Ingredient
Parathion.....	8.60	11.41	

Pee Dee Chemicals, Inc.

Palmetto Brand 1-10 Tobacco Dust

DDD.....	10.00	10.07	Deficient
Parathion.....	1.00	0.87	

Palmetto Brand 1/2-2 Parathion-TDE

DDD.....	24.00	23.83	Deficient
Parathion.....	6.00	5.41	

W. R. Peele Company, Inc.

Pelco Tobacco Dust contains 10% TDE 1% Parathion

DDD.....	10.00	10.29	Deficient
Parathion.....	1.00	0.92	

Pelco Super Tobacco Spray Emulsion Concentrate

DDD.....	24.00	23.78	Deficient
Parathion.....	6.00	5.54	
DDD.....	24.00	23.65	Passed
Parathion.....	6.00	5.87	
DDD.....	24.00	23.41	Passed
Parathion.....	6.00	5.83	

Planters Chemical Corp.

Planters TDE-Parathion Emulsion Concentrate

DDD.....	24.20	24.84	Passed
Parathion.....	6.00	6.21	
DDD.....	24.20	25.07	Passed
Parathion.....	6.00	5.83	
DDD.....	24.20	24.86	Passed
Parathion.....	6.00	5.86	
DDD.....	24.20	25.56	Passed
Parathion.....	6.00	6.35	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royster Chemical Co.			
Chem-Pest Tobacco "205" Spray Emulsion Concentrate			
DDD.....	24.20	25.72	Passed
Parathion.....	6.00	6.30	
DDD.....	24.20	24.25	Passed
Parathion.....	6.00	5.87	
Smith-Douglass Company, Inc.			
Smith-Douglass 10% TDE-1% Parathion Dust			
DDD.....	10.00	9.72	Deficient
Parathion.....	1.00	0.81	
Smith-Douglass TDE-Parathion Emulsion Concentrate			
DDD.....	24.20	24.93	Deficient
Parathion.....	6.00	5.48	
DDD.....	24.20	25.30	Passed
Parathion.....	6.00	6.12	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear Super Guard 32E			
DDD.....	23.40	23.10	Passed
Parathion.....	3.50	3.72	
Taylor Chemical Co.			
Taylor Tobacco Spray No. 1 Emulsion Concentrate			
DDD.....	24.00	24.46	Passed
Parathion.....	6.00	6.08	
DDD.....	24.00	24.64	Passed
Parathion.....	6.00	5.81	
DDD.....	24.00	23.91	Passed
Parathion.....	6.00	5.85	
DDD.....	24.00	24.33	Deficient
Parathion.....	6.00	5.62	
DDD.....	24.00	24.42	Deficient
Parathion.....	6.00	5.62	
DDD.....	24.00	24.89	Passed
Parathion.....	6.00	5.89	
DDD.....	24.00	24.18	Deficient
Parathion.....	6.00	5.54	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United Co-Operatives, Inc.			
Unico Tobacco Bug Blaster			
DDD.....	23.20	24.91	Passed
Parathion.....	5.70	6.23	
DDD.....	23.20	24.60	Passed
Parathion.....	5.70	6.30	
DDD.....	23.20	24.82	Passed
Parathion.....	5.70	5.73	
DDD.....	23.20	24.82	Passed
Parathion.....	5.70	5.73	
DDD.....	23.20	24.29	Passed
Parathion.....	5.70	6.43	

DDD-THIODAN**Niagara Chemical Div.
FMC Corp.**

Niagara DDD 2 Thiodan 1 EC

DDD.....	23.00		Passed
Thiodan.....	11.50		
Theoretical chlorine.....	17.51	16.64	

DDT**Acme Quality Paints, Inc.
(Registered by The Sherwin-Williams Co.)**

Acme 5% DDT Dust

DDT.....	5.00	5.43	Passed
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Acme Dura Dust No. 50

DDT.....	50.00	49.27	Passed
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Armour Agricultural Chemical Co.

Armagard 5% DDT Dust

DDT.....	5.00	3.86	Deficient
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Armagard DDT 2 lb. Emulsion Concentrate

DDT.....	23.80	23.33	Passed
do.....	23.80	25.07	Passed
do.....	23.80	23.06	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
California Chemical Company-Ortho Div.			
Ortho DDT 5 Dust			
DDT.....	5.00	5.08	Passed
Ortho DDT 2 Emulsive XB			
DDT.....	23.00	24.68	Passed
do.....	23.00	24.20	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 2-lb. DDT Emulsion Concentrate			
DDT.....	23.80	24.77	Passed
do.....	23.80	24.41	Passed
do.....	23.80	23.53	Passed
do.....	23.80	24.48	Passed
Carolina Chemical Corp.			
10% DDT Dust			
DDT.....	10.00	9.29	Deficient
do.....	10.00	9.64	Passed
DDT Emulsible Concentrate			
DDT.....	23.98	24.71	Passed
do.....	23.98	23.96	Passed
do.....	23.98	22.89	Passed
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand 25% DDT Emulsion Concentrate			
DDT.....	25.00	25.18	Passed
Coastal Chemical Corp.			
DDT Emulsion			
DDT.....	25.00	25.25	Passed
Daly-Herring Co.			
Dee Aitch 10% DDT Dust			
DDT.....	10.00	9.22	Deficient
Dee Aitch 25% DDT Emulsifiable Concentrate			
DDT.....	25.00	25.82	Passed
Faesy and Besthoff, Inc.			
F & B 25% DDT Spray			
DDT.....	24.80	25.29	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 5% DDT Dust			
DDT.....	5.00	4.89	Passed
do.....	5.00	4.82	Passed
do.....	5.00	4.89	Passed
do.....	5.00	4.90	Passed
FCX 10% DDT Dust			
DDT.....	10.00	9.76	Passed
do.....	10.00	9.86	Passed
FCX DDT Emulsifiable Concentrate			
DDT.....	24.00	25.14	Passed
do.....	24.00	25.09	Passed
do.....	24.00	24.45	Passed
do.....	24.00	24.71	Passed
FCX 50% Wettable DDT Powder			
DDT.....	50.00	50.71	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 5% DDT Dust			
DDT.....	5.00	5.00	Passed
Graham Chemical Company, Inc.			
Graham's Red Star 5% DDT Dust			
DDT.....	5.00	5.21	Passed
Graham's Red Star Bug Death DDT 25%			
DDT.....	24.44	24.52	Passed
do.....	24.44	25.31	Passed
GurMiCo Chemicals, Inc.			
GurMiCo 25% DDT Emulsion			
DDT.....	25.00	25.65	Passed
Hopkins Agricultural Chemical Co.			
Hopkins 50% DDT Wettable Powder			
DDT.....	50.00	50.70	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 5% DDT Dust			
DDT.....	5.00	5.00	Passed
Maxwell 10% DDT Dust			
DDT.....	10.00	10.00	Passed
Maxwell 25% DDT Emulsion Concentrate			
DDT.....	25.00	25.13	Passed
do.....	25.00	24.63	Passed
Maxwell 50% Wettable DDT			
DDT.....	50.00	51.07	Passed
McCormick and Company, Inc.			
Bee Brand Flea and Tick Killer			
DDT.....	10.00	9.93	Passed
do.....	10.00	9.86	Passed
Niagara Chemical Div. FMC Corp.			
Niagara Niatox 25 Miscible			
DDT.....	25.00	24.70	Passed
Olin Mathieson Chemical Corp.			
Mathieson DDT 3 lb. Emulsifiable			
DDT.....	34.50	33.77	Passed
do.....	34.50	35.25	Passed
do.....	34.50	31.25	Deficient
Pee Dee Chemicals, Inc.			
Palmetto Brand 10% DDT Dust			
DDT.....	10.00	9.71	Passed
Palmetto Brand DDT Emulsible Concentrate			
DDT.....	25.00	28.14	Passed
W. R. Peele Company, Inc.			
Pelco DDT Emulsifiable Concentrate			
DDT.....	23.76	24.56	Passed
do.....	23.76	23.55	Passed
do.....	23.76	24.16	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters DDT 2 lb. Emulsion Concentrate			
DDT.....	23.80	23.48	Passed
do.....	23.80	23.08	Passed
do.....	23.80	23.37	Passed
do.....	23.80	23.03	Passed
Royster Chemical Co.			
Royster Chem-Pest "100"			
DDT.....	10.00	9.79	Passed
Royster Chem-Pest Tobacco Soybean "20D" Spray Concentrate			
DDT.....	24.74	25.06	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 10% DDT Dust			
DDT.....	10.00	9.64	Passed
Smith-Douglass 2 lb. DDT Emulsion Concentrate			
DDT.....	23.80	23.42	Passed
do.....	23.80	18.25	Deficient
Southern Agricultural Chemicals, Inc.			
Royal Brand DDT Emulsion 25			
DDT.....	23.80	24.78	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 5% DDT Dust			
DDT.....	5.00	5.14	Passed
do.....	5.00	5.29	Passed
SA-50 Brand 10% DDT Dust			
DDT.....	10.00	9.86	Passed
do.....	10.00	10.00	Passed
do.....	10.00	10.50	Passed
do.....	10.00	10.14	Passed
do.....	10.00	10.57	Passed
do.....	10.00	10.65	Passed
do.....	10.00	10.50	Passed
do.....	10.00	10.29	Passed
do.....	10.00	10.50	Passed
do.....	10.00	10.71	Passed
do.....	10.00	10.57	Passed
do.....	10.00	10.36	Passed
SA-50 Brand 50% DDT Spray Wetttable Concentrate			
DDT.....	50.00	52.13	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Taylor Chemical Co.

Superkill 50 % DDT (Wettable Powder)

DDT.....	50.00	49.63	Passed
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Woolfolk Chemical Works, Ltd.

Security Brand 10% DDT Dust

DDT.....	10.00	9.93	Passed
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Security Brand DDT EC-3

DDT.....	35.00	34.55	Passed
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**DDT—ALLETHRIN—LETHANE 384—N-OCTYL
BICYCLOHEPTENE DICARBOXIMIDE****John C. Stalfort and Sons, Inc.**

(Registered by Stalfort Pressure Pak, Inc.)

Pleezing Aerosol Insect Killer

DDT.....	2.00	1.98	Passed
Allethrin.....	0.125	Present	
Lethane 384.....	1.00		
N-octyl bicycloheptene dicarbox- imide.....	1.00		
Theoretical nitrogen.....	0.09	0.10	

DDT—ALLETHRIN—LETHANE 384—PIPERONYL BUTOXIDE**Boyle-Midway Inc.**

FlyDed Push-Button Insect Killer

DDT.....	2.00	2.34	Passed
Allethrin.....	0.10	Present	
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.25	0.23	
DDT.....	2.00	2.66	Passed
Allethrin.....	0.10	Present	
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.25	0.22	

DDT—ALLETHRIN—METHOXYCHLOR—PIPERONYL BUTOXIDE**Boyle-Midway Inc.**

Black Flag Insect Bomb

DDT.....	1.00		Passed
Allethrin.....	0.22	Present	
Methoxychlor.....	1.00		
Piperonyl butoxide.....	0.25	0.22	
Theoretical chlorine.....	0.80	0.93	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDT—ALLETHRIN—METHOXYCHLOR—THANITE**M. B. S. Inc.**

Parkway Flying Insect and Bug Killer

DDT.....	3.00		Not
Allethrin.....	0.10	Present	Registered
Methoxychlor.....	1.00		
Thanite.....	1.00	Present	
Theoretical chlorine.....	1.80	1.74	

**DDT—ALLETHRIN—N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—THANITE****Belknap Hardware and Manufacturing Co.**

Belknap Insect Spray (Aerosol)

DDT.....	3.00	3.22	Not
Allethrin.....	0.10	Present	Registered
N-octyl bicycloheptene dicarboxi- mide.....	0.50		
Thanite.....	2.00		
Theoretical nitrogen.....	0.116	0.11	

DDT-BITOXIN**Woolfolk Chemical Works, Ltd.**

Security Brand Bitoxin Cotton Spray

DDT.....	33.80	34.62	Passed
Bitoxin.....	8.50	8.82	

DDT—CAPTAN—KARATHANE—MALATHION**Acme Quality Paints, Inc.**

(Registered by The Sherwin-Williams Co.)

Acme Rose Dust

DDT.....	5.00		Deficient
Captan.....	7.00		
Karathane.....	0.75		
Malathion.....	4.00	3.11	
Theoretical chlorine.....	4.98	4.95	
Theoretical nitrogen.....	0.38	0.42	

Sears, Roebuck and Co.

Cross Country Rose Dust

DDT.....	5.00		Deficient
Captan.....	5.00		
Karathane.....	0.75		
Malathion.....	4.00	3.23	
Theoretical chlorine.....	4.27	4.33	
Theoretical nitrogen.....	0.28	0.28	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**Swift and Co.
Agricultural Chemical Div.**

End-O-Pest for Roses

DDT.....	5.00		Deficient
Captan.....	7.50		
Karathane.....	1.00		
Malathion.....	4.50	4.09	
Theoretical chlorine.....	5.15	5.00	
Theoretical nitrogen.....	0.42	0.45	

DDT—CHLORDANE

Hydroponic Chemical Company, Inc.

Bugonex Ant and Roach bug Killer Spray

DDT.....	0.50		Not
Chlordane.....	2.00		Registered
Theoretical chlorine.....	1.53	1.53	

DDT—CHLORDANE—COPPER—MALATHION

Reasor-Hill Corp.

(Now: Hercules Powder Co.)

R-H Flower and Vegetable Dust

DDT.....	3.00		Deficient
Chlordane.....	3.00		Not
Copper as metallic.....	5.00	4.27	Registered
Malathion.....	1.00	0.95	
Theoretical chlorine.....	3.42	3.46	

DDT—COPPER

Daly-Herring Co.

Dee Aitch 7% Metallic Copper 5% DDT Tomato-Potato Dust

DDT.....	5.00	5.29	Passed
Copper as metallic.....	7.00	7.16	

Dee Aitch Tomato-Potato Dust

DDT.....	10.00	9.71	Passed
Copper as metallic.....	7.00	6.97	
DDT.....	10.00	9.14	Deficient
Copper as metallic.....	7.00	7.21	

Planters Chemical Corp.

Planters Dee-Kop Dust No. 5

DDT.....	5.00	5.04	Passed
Copper as metallic.....	7.00	7.74	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Potato Dust with 5% DDT			
DDT.....	5.00	5.29	Passed
Copper as metallic.....	6.50	6.19	
DDT.....	5.00	5.29	Passed
Copper as metallic.....	6.50	6.45	
DDT.....	5.00	5.21	Passed
Copper as metallic.....	6.50	6.77	
DDT—COPPER—PARATHION—SULFUR			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 1½ % Parathion Dust with 5% DDT, 25 % Sulfur, 3 % Copper, 2.25 % Manganese			
DDT.....	5.00	5.18	Deficient
Coppr as metallic.....	3.00	3.08	
Parathion.....	1.50	1.13	
Sulfur.....	25.00	26.13	
DDT—COPPER—SULFUR			
Armour Agricultural Chemical Co.			
Armagard Copper-Sulfur-DDT Dust for Peanuts			
DDT.....	5.00	4.96	Passed
Copper as metallic.....	4.00	4.04	
Sulfur.....	75.00	75.90	
Carolina Chemical Corp.			
4 % Copper-5 % DDT-80 % Sulfur			
DDT.....	5.00	6.50	Deficient Not Registered
Copper as metallic.....	4.00	3.13	
Sulfur.....	80.00	68.78	
Coastal Chemical Corp.			
Coastal 4 % Metallic Copper-5 % DDT-74 % Sulphur Peanut Dust			
DDT.....	5.00	4.86	Passed
Copper as metallic.....	4.00	4.49	
Sulphur.....	74.00	74.05	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulphur Peanut Dust with 5 % DDT			
DDT.....	5.00	5.33	Passed
Copper as metallic.....	4.00	3.97	
Sulphur.....	76.50	76.92	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo 3-Way Peanut Control 4% Copper, 5% DDT, 80% Sulphur			
DDT.....	5.00	4.79	Deficient
Copper as metallic.....	4.00	3.92	
Sulphur.....	80.00	72.85	
Howerton Gowen Chemicals, Inc.			
Gowen's Copper Sulfur 5% DDT Dust			
DDT.....	5.00	5.04	Passed
Copper as metallic.....	4.00	4.13	
Sulfur.....	80.00	79.87	
Meherrin Agricultural and Chemical Co.			
Red Kay Four-Five Peanut Dust			
DDT.....	5.00	4.96	Passed
Copper as metallic.....	4.00	4.00	
Sulphur.....	76.00	73.80	
Niagara Chemical Div. FMC Corp.			
Niagara Kolo Peanut Dust 4-5-70			
DDT.....	5.00	5.07	Passed
Copper as metallic.....	4.00	3.97	
Sulphur.....	70.00	69.62	
Niagara Peanut Dust 40-5-80			
DDT.....	5.00	5.21	Passed
Copper as metallic.....	4.00	4.05	
Sulphur.....	80.00	80.48	
Planters Chemical Corp.			
Planters Copper-Sulfur-DDT Dust for Peanuts			
DDT.....	5.00	5.25	Passed
Copper as metallic.....	4.00	4.00	
Sulfur.....	75.00	73.50	
Smith-Douglass Company, Inc.			
Smith-Douglass Copper Sulphur-DDT Dust for Peanuts			
DDT.....	5.00	4.89	Passed
Copper as metallic.....	4.00	3.81	
Sulphur.....	75.00	73.90	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Standard Spray and Chemical Co.

Standard Brand 5% DDT, 4% Copper, 75% Sulfur Dust

DDT.....	5.00	4.14	Deficient
Copper as metallic.....	4.00	4.05	
Sulfur.....	75.00	70.90	

DDT-DDD**Cape Fear Chemicals, Inc.**Tiger Brand Super Tobacco Spray DDT-TDE
Emulsion Concentrate

DDT.....	11.90		Passed
DDD.....	23.80		
Theoretical chlorine.....	16.50	16.16	
DDT.....	11.90		Passed
DDD.....	23.80		
Theoretical chlorine.....	16.50	16.99	

Carolina Chemical Corp.

Champion Budworm and Hornworm Special

DDT.....	12.50		Passed
DDD.....	24.50		
Theoretical chlorine.....	17.11	16.64	
DDT.....	12.50		Passed
DDD.....	24.50		
Theoretical chlorine.....	17.11	17.37	

Daly-Herring Co.

Bacco Beetle Dust

DDT.....	5.00		Passed
DDD.....	5.00		
Theoretical chlorine.....	4.72	4.79	

Bacco Beetle Spray

DDT.....	17.58		Passed
DDD.....	17.58		
Theoretical chlorine.....	16.58	16.56	

W. R. Grace and Co.

Davison Chemical Div.

Maxwell TDE-DDT Emulsion Concentrate

DDT.....	17.50		Passed
DDD.....	17.50		
Theoretical chlorine.....	16.50	16.92	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Graham Chemical Company, Inc.			
Graham's Red Star Kwik Kill Tobacco Spray			
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	11.92	
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	11.76	
DDT.....	12.22		Passed
DDD.....	12.22		
Theoretical chlorine.....	11.52	12.07	
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell TDE-DDT Emulsion Concentrate			
DDT.....	17.50		Passed
DDD.....	17.50		
Theoretical chlorine.....	16.50	16.78	
DDT—DDD—PARATHION			
Armour Agricultural Chemical Co.			
Armagard 1-5-5 Tobacco Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.76	
Theoretical chlorine.....	4.72	4.75	
Cape Fear Chemicals, Inc.			
Tiger Brand Thrippl Quick 1-5-5 Tobacco Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	1.02	
Theoretical chlorine.....	4.72	4.38	
Tiger Brand Death Blow Tobacco Spray			
DDT.....	12.50		Passed
DDD.....	24.00		
Parathion.....	6.00	6.44	
Theoretical chlorine.....	16.88	16.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
Champion 5-5-1 Hornworm Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.56	
Theoretical chlorine.....	4.72	4.75	
Super Tobacco King			
DDT.....	17.13		Deficient
DDD.....	17.13		
Parathion.....	5.80	5.48	
Theoretical chlorine.....	16.16	15.98	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.52	
Theoretical chlorine.....	16.16	15.64	
DDT.....	17.13		Deficient
DDD.....	17.13		
Parathion.....	5.80	4.89	
Theoretical chlorine.....	16.16	15.77	
Daly-Herring Co.			
Bacco 5-5-1 Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	0.95	
Theoretical chlorine.....	4.72	4.53	
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	1.07	
Theoretical chlorine.....	4.72	4.18	
Bacco Insect Spray			
DDT.....	17.58		Passed
DDD.....	17.58		
Parathion.....	3.51	4.01	
Theoretical chlorine.....	16.58	17.27	
W. R. Grace and Co.			
Davison Chemical Div.			
Maxwell 5-5-1 Tobacco Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.88	
Theoretical chlorine.....	4.72	4.75	
Maxwell Tobacco Spray No. 3			
DDT.....	17.50		Deficient
DDD.....	17.50		
Parathion.....	6.00	5.60	
Theoretical chlorine.....	16.50	17.16	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo Tobacco 5% TDE 5% DDT 1% Parathion Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.90	
Theoretical chlorine.....	4.72	4.55	
GurMiCo Tobacco Rid			
DDT.....	18.70		Passed
DDD.....	18.70		
Parathion.....	3.70	3.87	
Theoretical chlorine.....	17.64	17.72	
DDT.....	18.70		Deficient
DDD.....	18.70		
Parathion.....	3.70	3.13	
Theoretical chlorine.....	17.64	17.85	
DDT.....	18.70		Excessive Active Ingredient
DDD.....	18.70		
Parathion.....	3.70	5.37	
Theoretical chlorine.....	17.64	17.68	
W. R. Peele Company, Inc.			
Pelco 5-5-1 Tobacco Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	0.96	
Theoretical chlorine.....	4.72	4.99	
Pelco Super X Tobacco Spray Emulsion Concentrate			
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	6.21	
Theoretical chlorine.....	16.16	16.17	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.52	
Theoretical chlorine.....	16.16	16.40	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.96	
Theoretical chlorine.....	16.16	16.54	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.60	
Theoretical chlorine.....	16.16	16.05	
DDT.....	17.13		Deficient
DDD.....	17.13		
Parathion.....	5.80	5.31	
Theoretical chlorine.....	16.16	16.75	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters 3-Way Tobacco Dust			
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.98	
Theoretical chlorine.....	4.72	4.11	
Planters 3-Way Spray			
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.81	
Theoretical chlorine.....	17.11	16.72	
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.85	
Theoretical chlorine.....	17.11	16.77	
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.98	
Theoretical chlorine.....	17.11	16.28	
DDT.....	12.50		Passed
DDD.....	24.50		
Parathion.....	6.00	5.91	
Theoretical chlorine.....	17.11	17.47	
Royster Chemical Co.			
Royster Chem-Pest "551" Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	1.01	
Theoretical chlorine.....	4.72	4.57	
Smith-Douglass Company, Inc.			
Smith-Douglass Tobacco Dust			
DDT.....	5.00		Passed
DDD.....	5.00		
Parathion.....	1.00	0.98	
Theoretical chlorine.....	4.72	5.60	
DDT.....	5.00		Deficient
DDD.....	5.00		
Parathion.....	1.00	0.65	
Theoretical chlorine.....	4.72	3.71	
Smith-Douglass Voo-Doo			
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.77	
Theoretical chlorine.....	16.16	15.79	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Smith-Douglass Voo-Doo (Continued)			
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.85	
Theoretical chlorine.....	16.16	15.74	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.56	
Theoretical chlorine.....	16.16	16.14	
DDT.....	17.13		Passed
DDD.....	17.13		
Parathion.....	5.80	5.60	
Theoretical chlorine.....	16.16	16.05	

**DDT—N,N-DIBUTYL-*p*-CHLOROBENZENE-SULFONAMIDE—
PYRETHRINS**

GurMiCo Chemicals, Inc.

GurMiCo Spray Insecticidal Space Spray

DDT.....	3.75		Passed
N,N-dibutyl- <i>p</i> -chlorobenzene-sul- fonamide.....	0.75		
Pyrethrins.....	0.02	0.02	
Theoretical chlorine.....	1.96	1.71	

DDT—ENDRIN

Daly-Herring Co.

Bacco Beetle Spray

DDT.....	16.50		Passed
Endrin.....	6.50		
Theoretical chlorine.....	11.88	12.25	

United Co-Operatives, Inc.

Unico "513" Tobacco and Cotton Spray

DDT.....	15.80		Passed
Endrin.....	6.40		
Theoretical chlorine.....	11.47	11.78	

DDT—FERBAM

Cape Fear Chemicals, Inc.

Tiger Brand 15% Fermate-3% DDT Dust

DDT.....	3.00	3.37	Passed
Ferbam.....	11.40	11.49	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carolina Chemical Corp.			
Champion Fermate-DDT Dust			
DDT.....	3.00	2.89	Passed
Ferbam.....	11.40	11.68	
Daly-Herring Co.			
Dee Aitch 15% Fermate 3% DDT Dust			
DDT.....	3.00	3.07	Passed
Ferbam.....	11.40	11.49	
DDT.....	3.00	2.92	Deficient
Ferbam.....	11.40	10.53	
Farmers Cooperative Exchange, Inc.			
FCX 15% Fermate-5% DDT Dust			
DDT.....	5.00	5.11	Passed
Ferbam.....	11.40	11.63	
DDT.....	5.00	4.93	Passed
Ferbam.....	11.40	12.57	
Graham Chemical Co.			
Graham's Red Star Fermate-DDT Dust			
DDT.....	3.00	3.07	Deficient
Ferbam.....	11.40	10.35	
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Ferbam-DDT Dust			
DDT.....	3.00	3.08	Passed
Ferbam.....	11.40	11.07	
GurMiCo Chemicals, Inc.			
GurMiCo Ferbam 11.4 DDT 3 Dust			
DDT.....	3.00	2.85	Passed
Ferbam.....	11.40	11.70	
Maxwell Insecticide Co. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Ferbam DDT Dust			
DDT.....	3.00	3.39	Passed
Ferbam.....	11.40	12.00	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.			
Mathieson Ferbam-DDT Dust			
DDT.....	3.00	3.45	Deficient
Ferbam.....	11.40	10.40	
DDT.....	3.00	3.15	Passed
Ferbam.....	11.40	11.50	
W. R. Peele Company, Inc.			
Pelco 15% Fermate 3% DDT Dust			
DDT.....	3.00	2.93	Passed
Ferbam.....	11.40	11.85	
DDT.....	3.00	3.11	Passed
Ferbam.....	11.40	12.29	
Planters Chemical Corp.			
Planters Fermate-DDT Plant Bed Dust			
DDT.....	3.00	2.92	Passed
Ferbam.....	11.40	11.88	
Royster Chemical Co.			
Royster "515"-5% DDT and 15% Fermate			
DDT.....	5.00	5.29	Passed
Ferbam.....	11.40	11.55	
Smith-Douglass Company, Inc.			
Smith-Douglass Fermate-DDT Plant Bed Dust			
DDT.....	3.00	2.96	Passed
Ferbam.....	11.40	11.05	
Taylor Chemical Co.			
Superkill Fermate-DDT Tobacco Bed Dust			
DDT.....	3.00	2.92	Passed
Ferbam.....	11.40	10.95	
DDT.....	3.00	3.22	Passed
Ferbam.....	11.40	11.55	
DDT—FERBAM—MALATHION—PYRETHRINS—SULFUR			
O. M. Scott and Sons Co.			
Scotts Haze			
DDT.....	5.00	5.29	Deficient
Ferbam.....	7.50	3.07	
Malathion.....	4.50	0.13	
Pyrethrins.....	0.02	0.04	
Sulfur.....	28.00	29.43	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—FERBAM—SULFUR			
Farmers Cooperative Exchange, Inc.			
FCX Rose Dust			
DDT.....	5.00	4.89	Passed
Ferbam.....	7.60	7.33	
Sulfur.....	75.00	73.55	
DDT.....	5.00	4.86	Deficient
Ferbam.....	7.60	7.00	
Sulfur.....	75.00	68.12	
DDT.....	5.00	6.00	Deficient
Ferbam.....	7.60	6.23	
Sulfur.....	75.00	69.92	

**DDT—LETHANE 60—LETHANE 384—PIPERONYL
BUTOXIDE—PYRETHRINS**

Rigo Manufacturing Co.

Kill-Ko Quick Kill Insect Killer

DDT.....	0.50	0.61	Passed
Lethane 60.....	0.89		
Lethane 384.....	1.50		
Piperonyl butoxide.....	0.30	0.28	
Pyrethrins.....	0.03	0.04	
Theoretical nitrogen.....	0.079	0.07	

DDT—LETHANE 384

Boyle-Midway Inc.

Black Flag 5% DDT Insect Spray

DDT.....	5.00	5.29	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.53	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.51	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.34	Passed
Lethane 384.....	1.00	Present	
DDT.....	5.00	5.52	Passed
Lethane 384.....	1.00	Present	

DDT—LETHANE 384—PIPERONYL BUTOXIDE—PYRETHRINS

Penola Oil Co.

(Now: Humble Oil and Refining Co.)

Flit Aerosol Fly and Mosquito Killer

DDT.....	2.00	2.45	Passed
Lethane 384.....	1.00	Present	
Piperonyl butoxide.....	0.80	0.74	
Pyrethrins.....	0.10	0.11	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DDT—MANEB			
Coastal Chemical Corp.			
Coastal Dithane M-22 Plus DDT			
DDT.....	3.00	2.92	Passed
Maneb.....	1.40	1.38	
Daly-Herring Co.			
Dee Aitch Dithane M-22 Plus DDT Dust			
DDT.....	3.00	2.89	Deficient
Maneb.....	1.40	0.61	
DDT.....	3.00	3.00	Deficient
Maneb.....	1.40	1.26	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Manzate Dust with 5% DDT			
DDT.....	5.00	5.93	Passed
Maneb.....	5.00	5.24	
DDT.....	5.00	5.21	Passed
Maneb.....	5.00	5.51	
DDT—METHOXYCHLOR—THANIE			
Texaco Inc.			
(Registered by R. M. Hollingshead Corp.)			
Texaco Insecticide			
DDT.....	2.00	Present	Passed
Methoxychlor.....	1.00		
Thanite.....	1.00		
Theoretical chlorine.....	1.30		
DDT—METHYL PARATHION			
California Chemical Company-Ortho Div.			
Ortho Methyl Parathion-DDT 2.5-10 Dust			
DDT.....	10.00	10.00	Deficient
Methyl parathion.....	2.50	2.29	
Ortho Phoscide Emulsive XB			
DDT.....	32.00	32.59	Passed
Methyl parathion.....	16.00	15.43	
Carolina Chemicals Inc.			
Flight Brand Methyl Parathion-DDT Dust 2½-10-0			
DDT.....	10.00	9.86	Deficient
Methyl parathion.....	2.50	2.12	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Daly-Herring Co.			
Dee Aitch 2.5% Methyl Parathion 7% DDT			
DDT.....	7.00	7.39	Deficient
Methyl parathion.....	2.50	1.93	
Cot'n Spray Emulsifiable Concentrate			
DDT.....	22.80	22.99	Deficient
Methyl parathion.....	11.40	9.66	
Pee Dee Chemicals, Inc.			
Palmetto Brand 2½-10-0 Methyl Parathion-DDT			
DDT.....	10.00	12.57	Deficient
Methyl parathion.....	2.50	2.23	
Southern Agricultural Chemicals, Inc.			
Royal Brand 2½-10 M.P. Cotton Dust			
DDT.....	10.00	10.14	Deficient
Methyl parathion.....	2.50	2.16	
DDT.....	10.00	10.14	Deficient
Methyl parathion.....	2.50	1.68	
DDT.....	10.00	9.36	Deficient
Methyl parathion.....	2.50	1.45	
Royal Brand Methyl Parathion-DDT 2-1 Spray			
DDT.....	23.00	22.15	Passed
Methyl parathion.....	11.50	11.10	
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear YMD 2.57D			
DDT.....	7.00	7.75	Deficient
Methyl parathion.....	2.50	1.70	
Swift's Gold Bear 10% DDT 2.5% Methyl Parathion Dust			
DDT.....	10.00	10.29	Deficient
Methyl parathion.....	2.50	2.20	
Taylor Chemical Co.			
Superkill 2½ P-10 Dust			
DDT.....	10.00	10.14	Deficient
Methyl parathion.....	2.50	2.08	
DDT.....	10.00	10.29	Deficient
Methyl parathion.....	2.50	2.18	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Woolfolk Chemical Works, Ltd.			
Security Brand 2½ % Methyl Parathion 10 % DDT Cotton Dust			
DDT.....	10.00	9.93	Deficient
Methyl parathion.....	2.50	2.25	
DDT.....	10.00	10.07	Deficient
Methyl parathion.....	2.50	2.31	
DDT-METHYL TRITHION			
Carolina Chemicals, Inc.			
Flight Brand Methyl Trithion-DDT 2-2 EC			
DDT.....	21.90		Passed
Methyl trithion.....	21.90		
Theoretical chlorine.....	13.41	13.92	
Planters Chemical Corp.			
Planters Methyl Trithion-DDT 1-2 Emulsion			
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.43	
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.83	
Stauffer Chemical Co.			
Stauffer Methyl Trithion-DDT 3-7 Dust			
DDT.....	7.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84	4.00	
DDT.....	7.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84	3.73	
Stauffer Methyl Trithion-DDT 3-10 Dust			
DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.61	
DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.23	
DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.49	
Stauffer Methyl Trithion with DDT 2-2E			
DDT.....	22.10		Passed
Methyl trithion.....	22.10		
Theoretical chlorine.....	13.53	14.25	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Stauffer Methyl Trithion with DDT 1-2E			
DDT.....	23.20		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.90	13.57	
DDT.....	23.20		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.90	13.43	
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.53	
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.77	
DDT.....	23.30		Passed
Methyl trithion.....	11.60		
Theoretical chlorine.....	12.95	13.54	

Swift and Co.
Agricultural Chemical Div.

Swift's Gold Bear 3% Methyl Trithion 10% DDT Dust

DDT.....	10.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	5.34	5.80	

Taylor Chemical Co.

Taylor Megathon 3-7 Dust

DDT.....	7.00		Passed
Methyl trithion.....	3.00		
Theoretical chlorine.....	3.84	3.98	

Woolfolk Chemical Works, Ltd.

Security Brand Tri-Me 2½-7

DDT.....	7.00		Passed
Methyl trithion.....	2.50		
Theoretical chlorine.....	3.78	3.67	

Security Brand Tri-Me Cotton Dust 2½% Methyl
Trithion—10% DDT

DDT.....	10.00		Passed
Methyl trithion.....	2.50		
Theoretical chlorine.....	5.28	5.51	

Security Brand Tri-Me Cotton Spray 1½-3

DDT.....	32.50		Passed
Methyl trithion.....	16.30		
Theoretical chlorine.....	19.20	19.53	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDT-PARATHION-SULFUR**Southern Agricultural Insecticides, Inc.**

SA-50 Brand 1½ Parathion Dust with 5% DDT

DDT.....	5.00	4.93	Passed
Parathion.....	1.50	1.90	
Sulfur.....	25.00	24.92	
DDT.....	5.00	5.50	Passed
Parathion.....	1.50	1.48	
Sulfur.....	25.00	25.98	
DDT.....	5.00	5.00	Passed
Parathion.....	1.50	1.46	
Sulfur.....	25.00	29.00	
DDT.....	5.00	5.39	Passed
Parathion.....	1.50	1.57	
Sulfur.....	25.00	26.62	

DDT-PIPERONYL BUTOXIDE-PYRETHRINS**A Penn Oil Co.**

(Registered by Penn Corp.)

Kilzum 2 in 1 Insect Spray

DDT.....	5.00	5.39	Passed
Piperonyl butoxide.....	0.052	0.09	
Pyrethrins.....	0.021	0.04	

Gulf Oil Corp.

Gulf House Garden Insect Killer

DDT.....	2.00	1.91	Passed
Piperonyl butoxide.....	1.00	0.96	
Pyrethrins.....	0.25	0.26	
DDT.....	2.00	1.98	Passed
Piperonyl butoxide.....	1.00	0.90	
Pyrethrins.....	0.25	0.24	
DDT.....	2.00	2.02	Passed
Piperonyl butoxide.....	1.00	1.43	
Pyrethrins.....	0.25	0.24	

Rigo Manufacturing Co.

Kill-Ko Super Strength Plus 5% DDT

DDT.....	5.00	5.03	Passed
Piperonyl butoxide.....	0.30	0.26	
Pyrethrins.....	0.03	0.04	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDT-STROBANE**Olin Mathieson Chemical Corp.**

Mathieson Strobane-DDT 4-2 Emulsifiable

DDT.....	19.70		Passed
Strobane.....	39.50		
Theoretical chlorine.....	35.92	36.07	
DDT.....	19.90		Passed
Strobane.....	39.80		
Theoretical chlorine.....	36.22	34.92	

DDT—THANITE**Airosol Company, Inc.**

Jet Insect Killer

DDT.....	5.00	5.56	Passed
Thanite.....	2.50	Present	

**Minit Spray Div.
Kerr Chemicals, Inc.**

Handee 5% DDT Insect Killer (Aerosol)

DDT.....	5.00	4.11	Deficient
Thanite.....	5.00	6.39	

DDT-ZINEB**Cape Fear Chemicals, Inc.**

Tiger Brand 10% Dithane-3% DDT Dust

DDT.....	3.00	3.30	Deficient
Zineb.....	6.50	5.81	

Carolina Chemical Corp.

10% Dithane Z-78 Plus 3% DDT Dust

DDT.....	3.00	3.82	Passed
Zineb.....	6.50	6.37	
DDT.....	3.00	2.48	Deficient
Zineb.....	6.50	6.23	

Farmers Cooperative Exchange, Inc.

FCX 6.5% Zineb-5% DDT Dust

DDT.....	5.00	5.11	Passed
Zineb.....	6.50	6.78	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Dithane DDT Dust			
DDT.....	3.00	2.93	Passed
Zineb.....	6.50	6.23	
DDT.....	3.00	3.15	Deficient
Zineb.....	6.50	4.34	
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Dithane-DDT Dust			
DDT.....	3.00	3.07	Passed
Zineb.....	6.50	6.33	
Royster Chemical Co.			
Royster Chem-Pest "565"			
DDT.....	5.00	5.07	Passed
Zineb.....	6.50	6.33	
Smith-Douglass Company, Inc.			
Smith-Douglass Zineb Dust with DDT			
DDT.....	5.00	5.11	Passed
Zineb.....	3.90	4.23	
DDT.....	5.00	5.43	Deficient
Zineb.....	3.90	3.34	
Taylor Chemical Co.			
Superkill Zineb DDT Tobacco Bed Dust			
DDT.....	3.00	3.37	Deficient
Zineb.....	6.50	6.15	
DDVP			
E. Joseph Cossman and Co.			
Cossman Fly Cake			
DDVP.....	0.25	0.07	Deficient
do.....	0.25	0.05	Deficient
Frank J. Curran Co.			
"Good-By Mr. Fly"			
DDVP.....	0.25	0.27	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Vapona 2 Emulsible Concentrate			
DDVP.....	23.70	23.33	Passed
Real-Kill Products Division of Cook Chemical Co.			
Real-Kill Insect Spray (Aerosol)			
DDVP.....	0.50	0.48	Passed
Rigo Manufacturing Co.			
Kill-Ko Sugar Base Fly Bait			
DDVP.....	0.50	0.58	Passed
do.....	0.50	0.52	Passed
do.....	0.50	0.48	Passed
Thompson-Hayward Chemical Co. Philips Roxane Div.			
De-Pester Nox-Insex			
DDVP.....	0.50	0.49	Not Registered
De-Pester Insect Strip			
DDVP.....	20.00	19.72	Not Registered
DDVP-CIODRIN			
Shell Chemical Co. Agricultural Chemicals Div.			
Shell Ciovap Insecticide			
DDVP.....	1.00		Passed
Ciodrin.....	0.25		
Theoretical phosphorus.....	0.16	0.13	
DDVP-DELNAV			
Starbar Div. Thuron Industries, Inc.			
Starbar Lintox-D Livestock Spray and Dip			
DDVP.....	1.07		Passed
Delnav.....	15.00		
Theoretical phosphorus.....	2.18	2.09	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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DDVP-DIPTEREX**Hot Shot Quality Products, Inc.****Hot Shot Fly Cake**

DDVP.....	0.30		Passed
Dipterex.....	1.00		
Theoretical phosphorus.....	0.16	0.09	
DDVP.....	0.30		Passed
Dipterex.....	1.00		
Theoretical phosphorus.....	0.16	0.13	
DDVP.....	0.30		Passed
Dipterex.....	1.00		
Theoretical phosphorus.....	0.16	0.13	

Ralston Purina Co.**Purina Fly Bait (Dry Killer) DDVP and Dipterex**

DDVP.....	0.25		Passed
Dipterex.....	0.25		
Theoretical phosphorus.....	0.07	0.09	
DDVP.....	0.25		Passed
Dipterex.....	0.25		
Theoretical phosphorus.....	0.07	0.10	

DDVP-PIPERONYL BUTOXIDE-PYRETHRINS**Rigo Manufacturing Co.****Kill-Ko Kattle Spray**

DDVP.....	0.20	0.19	Passed
Piperonyl butoxide.....	0.30	0.28	
Pyrethrins.....	0.03	0.05	

United Co-Operatives, Inc.**Unico Py-Vona Stock Fly Spray**

DDVP.....	0.20	0.42	Passed
Piperonyl butoxide.....	0.25	0.25	
Pyrethrins.....	0.03	0.05	

DIAZINON**Geigy Agricultural Chemicals
Division of Geigy Chemical Corp.****Geigy Diazinon AG500 Insecticide**

Diazinon.....	48.00	48.45	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**DIAZINON—N-OCTYL-BICYCLOHEPTENE-DICARBOXIMIDE—
PIPERONYL BUTOXIDE—PYRETHRINS**

Acme Quality Paints, Inc.
(Registered by The Sherwin-Williams Co.)

Acme Ant and Roach Blaster

Diazinon.....	0.50		Passed
N-octyl bicycloheptene dicarboxi- mide.....	0.166		
Piperonyl butoxide.....	0.10	0.09	
Pyrethrins.....	0.05	0.06	
Theoretical nitrogen.....	0.06	0.07	

Taylor Chemical Co.

Superkill New Roach and Ant Killer

Diazinon.....	0.50		Passed
N-octyl bicycloheptene dicarboxi- mide.....	0.166		
Piperonyl butoxide.....	0.10	0.10	
Pyrethrins.....	0.05	0.06	
Theoretical nitrogen.....	0.06	0.05	

DIAZINON-PIPERONYL BUTOXIDE-PYRETHRINS

Maxwell Insecticide Company, Inc.
(Now: W. R. Grace and Co.
Davison Chemical Div.)

Household Insect Spray (Kills Resistant Roaches)

Diazinon.....	0.50	0.65	Passed
Piperonyl butoxide.....	0.261	0.30	
Pyrethrins.....	0.052	0.08	

Poplin Chemical Co.

Pop-O-Lite Household Insect Spray

Diazinon.....	0.50	0.44	Passed
Piperonyl butoxide.....	0.261	0.22	
Pyrethrins.....	0.052	0.06	

DIBROM

California Chemical Company-Ortho Div.

Ortho Dibrom Fly Spray

Dibrom.....	1.00	0.94	Deficient
do.....	1.00	0.96	Passed
do.....	1.00	0.87	Deficient
do.....	1.00	0.89	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
DIELDRIN			
Hopkins Agricultural Co.			
Hopkins Green Turf Insecticide			
Dieldrin.....	5.00	5.50	Passed
W. R. Peele Company, Inc.			
Pelco Dieldrin Emulsifiable Concentrate			
Dieldrin.....	18.60	18.18	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand Dieldrin-Sol Emulsifiable Concentrate			
Dieldrin.....	17.50	16.96	Passed
DIELDRIN-COPPER OXALATE			
Borderland Products, Inc.			
Red Shield Double Protector			
Dieldrin.....	5.00	4.93	Passed
Copper oxalate.....	4.00	4.02	
DIELDRIN-DDVP			
Boyle-Midway Inc.			
Black Flag Ant and Roach Killer			
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.12	
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.25	
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.26	
Dieldrin.....	0.30		Passed
DDVP.....	0.20		
Theoretical chlorine.....	0.23	0.28	
S. C. Johnson and Son, Inc.			
Raid Liquid Ant and Roach Killer			
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.53	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Real-Kill Products			
Division Cook Chemical Co.			
Real-Kill Bug Killer			
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.25	
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.41	
Dieldrin.....	0.50		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.49	
Dieldrin.....	0.50		Deficient
DDVP.....	0.50		
Theoretical chlorine.....	0.44	0.20	

Rigo Manufacturing Co.

Kill-Ko Quick Kill Insect Bomb

Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.31	
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.16	
Dieldrin.....	0.30		Deficient
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.13	
Dieldrin.....	0.30		Deficient
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.13	
Dieldrin.....	0.30		Passed
DDVP.....	0.50		
Theoretical chlorine.....	0.33	0.25	

DIPHENAMID**Elanco Products Co.**
Division of Eli Lilly and Co.

Dymid D

Diphenamid.....	45.00	50.94	Passed
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The Upjohn Co.

Upjohn Enide 50 W

Diphenamid.....	50.00	50.59	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ENDRIN			
Daly-Herring Co.			
Dee Aitch Endrin Emulsible Concentrate			
Endrin.....	18.90	19.84	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Endrin Emulsifiable Concentrate			
Endrin.....	19.50	19.41	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Endrin Emulsifiable Concentrate			
Endrin.....	19.50	20.45	Passed
Olin Mathieson Chemical Corp.			
Mathieson Endrin 1.5% Dust			
Endrin.....	1.50	1.61	Passed
Mathieson Endrin 2% Dust			
Endrin.....	2.00	3.00	Passed
Swift and Co. Agricultural Chemical Div.			
Swift's Gold Bear Endrin E 1.6 E			
Endrin.....	19.90	19.19	Passed
Taylor Chemical Co.			
Superkill Endrin Emulsifiable Concentrate			
Endrin.....	19.50	20.27	Passed
do.....	19.50	19.71	Passed
ENDRIN-METHYL PARATHION			
Daly-Herring Co.			
Klen-Sweep Cotton Spray Emulsifiable Concentrate			
Endrin.....	18.30	22.68	Deficient
Methyl parathion.....	18.30	16.64	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.			
Mathieson Endrin-Methyl Parathion 1.6 lb. Emulsifiable			
Endrin.....	18.20	18.83	Deficient
Methyl parathion.....	18.20	15.59	
Endrin.....	18.20	16.72	Deficient
Methyl parathion.....	18.20	18.09	
FERBAM			
Cape Fear Chemicals, Inc.			
Tiger Brand 15% Fermate Dust			
Ferbam.....	11.40	11.26	Passed
Carolina Chemical Corp.			
Champion Fermate Dust			
Ferbam.....	11.40	10.88	Passed
Coastal Chemical Corp.			
Coastal 15% Fermate Dust			
Ferbam.....	11.40	12.02	Passed
Farmers Cooperative Exchange, Inc.			
FCX 15% Fermate Dust			
Ferbam.....	11.40	10.86	Passed
do.....	11.40	14.11	Excessive Active Ingredient
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 15% Fermate Dust			
Ferbam.....	11.40	10.87	Passed
Olin Mathieson Chemical Corp.			
Mathieson Ferbam Dust			
Ferbam.....	11.40	11.40	Passed
W. R. Peele Company, Inc.			
Pelco 15% Fermate Dust			
Ferbam.....	11.40	12.24	Passed
do.....	11.40	12.31	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royster Chemical Co.			
Royster "150"—15% Fermate			
Ferbam.....	11.40	9.68	Deficient
Taylor Chemical Co.			
Superkill 11.4% Ferbam Dust			
Ferbam.....	11.40	10.88	Passed
FERBAM-PARATHION			
Daly-Herring Co.			
Dee Aitch 15% Fermate 1% Parathion Dust			
Ferbam.....	11.40	11.14	Deficient
Parathion.....	1.00	0.88	
Farmers Cooperative Exchange, Inc.			
FCX Fermate 1% Parathion Dust			
Ferbam.....	11.40	11.35	Deficient
Parathion.....	1.00	0.83	
FLUORINE COMPOUNDS			
SODIUM ALUMINUM SILICOFLUORIDE			
Chemway Corp.			
Household Products Div.			
Larvex			
Sodium aluminum silicofluoride.....	0.52	0.61	Passed
Allied Drug Products Co.			
Allied Brand Roach Powder			
Sodium fluoride.....	95.00	93.33	Passed
Fairfax Biological Laboratory			
Fluoride Roach Doom			
Sodium fluoride.....	90.00	90.73	Passed
Humco Laboratory, Inc.			
Humco Sodium Fluoride			
Sodium fluoride.....	98.50	99.17	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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McKesson Laboratories

McKesson Sodium Fluoride Insecticide

Sodium fluoride.....	90.00	93.33	Passed
do.....	90.00	94.32	Passed

SODIUM FLUORIDE-DDT**Koch Supplies**

Suicide With DDT

Sodium fluoride.....	42.50	39.14	Deficient
DDT.....	5.50	5.58	Not Registered

SODIUM FLUORIDE-PIPERONYL BUTOXIDE-PYRETHRINS**Dixi-Chem Co.**

Di-Sect Roach and Waterbug Powder

Sodium fluoride.....	58.00	59.33	Passed
Piperonyl butoxide.....	1.50	1.19	
Pyrethrins.....	0.15	0.16	
Sodium fluoride.....	58.00	60.50	Passed
Piperonyl butoxide.....	1.50	1.24	
Pyrethrins.....	0.15	0.19	

Oakwood Medical Center, Inc.

R.D. Roach Powder

Sodium fluoride.....	58.00	57.80	Passed
Piperonyl butoxide.....	1.50	1.35	
Pyrethrins.....	0.15	0.19	
Sodium fluoride.....	58.00	57.65	Passed
Piperonyl butoxide.....	1.50	1.36	
Pyrethrins.....	0.15	0.16	

Rigo Manufacturing Co.

Kill-Ko Roach Powder

Sodium fluoride.....	58.00	56.10	Passed
Piperonyl butoxide.....	1.50	0.95	
Pyrethrins.....	0.15	0.18	
Sodium fluoride.....	58.00	56.29	Passed
Piperonyl butoxide.....	1.50	1.26	
Pyrethrins.....	0.15	0.20	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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S. C. Wells and Co.
(Now: Brown Manufacturing Co.)

Rough on Bugs

Sodium fluoride.....	58.00	55.10	Passed
Piperonyl butoxide.....	1.50	1.13	
Pyrethrins.....	0.15	0.18	
Sodium fluoride.....	58.00	54.80	Deficient
Piperonyl butoxide.....	1.50	1.08	
Pyrethrins.....	0.15	0.18	

SODIUM FLUORIDE-PYRETHRINS

Eagle Chemical Company, Inc.
(Now: Bacon Products Company, Inc.)

Flipo Roach and Waterbug Killer

Sodium fluoride.....	58.00	51.00	Deficient
Pyrethrins.....	0.18	0.24	

Getem Manufacturing Company, Inc.

Getem Roach Powder

Sodium fluoride.....	78.40	77.10	Passed
Pyrethrins.....	0.18	0.21	

SODIUM FLUOSILICATE-CHLORDANE-DIAZINON

Shephards Chemical Works, Inc.

Shephards Roach Killer

Sodium fluosilicate.....	59.00	57.74	Passed
Chlordane.....	1.00	0.98	
Diazinon.....	0.50	0.66	

FUMARIN

Brown Manufacturing Co.

Rough on Rats Anti-Coagulant Bait

Fumarin.....	0.025	0.028	Passed
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Dacus Drug Co.

Kilz Rat and Mouse Killer

Fumarin.....	0.025	0.026	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dixi-Chem Co.			
Banerin 58			
Fumarin.....	0.025	0.025	Passed
do	0.025	0.029	Passed
Oakwood Medical Center, Inc.			
R.D. Rat Kill			
Fumarin.....	0.025	0.025	Passed
HEPTACHLOR			
Farmers Cooperative Exchange, Inc.			
FCX 10% Heptachlor Dust			
Heptachlor (Technical).....	13.88	13.29	Not Registered
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Heptachlor 2E-Emulsifiable			
Heptachlor (Technical).....	32.51	32.55	Passed
Taylor Chemical Co.			
Superkill 23% Heptachlor Emulsifiable Concentrate			
Heptachlor (Technical).....	32.51	31.86	Passed
KEPONE			
Allied Chemical Corp. General Chemical Div.			
Allied Chemical 4% Kepone Bait			
Kepone.....	4.00	4.04	Passed
Echols Manufacturing Co.			
Echols Roach Ant and Waterbug Killer			
Kepone.....	0.125	0.16	Passed
MALATHION			
Armour Agricultural Chemical Co.			
Armagard 4% Malathion Dust			
Malathion.....	4.00	3.27	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
California Chemical Company-Ortho Div.			
Ortho Malathion 50 Spray			
Malathion.....	50.00	52.35	Passed
Ortho Malathion 5 Emulsive XB			
Malathion.....	55.00	56.44	Passed
do.....	55.00	60.05	Passed
do.....	55.00	61.84	Passed
Daly-Herring Co.			
Dee Aitch 50% Malathion			
Malathion.....	50.00	53.17	Passed
Farmers Cooperative Exchange, Inc.			
FCX 4% Malathion Dust			
Malathion.....	4.00	3.25	Deficient
do.....	4.00	2.53	Deficient
do.....	4.00	4.11	Passed
FCX 5% Malathion Dust			
Malathion.....	5.00	3.89	Deficient
do.....	5.00	4.70	Deficient
do.....	5.00	4.87	Passed
W. R. Grace and Co. Davison Chemical Div.			
4% Malathion Dust			
Malathion.....	4.00	3.41	Deficient
Maxwell Premium Malathion 55% Emulsion			
Malathion.....	55.00	59.19	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Malathion 4% Dust			
Malathion.....	4.00	3.25	Deficient
do.....	4.00	3.73	Deficient
Hopkins Agricultural Chemical Co.			
Hopkins Malathion Dust			
Malathion.....	4.00	3.81	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Howerton Gowen Chemicals, Inc.			
Gowen's 5% Malathion			
Malathion.....	5.00	4.15	Deficient
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 4% Malathion Dust			
Malathion.....	4.00	3.40	Deficient
do.....	4.00	3.76	Deficient
do.....	4.00	3.77	Deficient
do.....	4.00	3.73	Deficient
Maxwell Malathion 55% Emulsion			
Malathion.....	55.00	59.11	Passed
do.....	55.00	59.29	Passed
Olin Mathieson Chemical Corp.			
Mathieson Malathion 4% Dust			
Malathion.....	4.00	4.13	Passed
do.....	4.00	3.83	Passed
do.....	4.00	4.52	Passed
Mathieson Malathion 5 lb. Emulsifiable Liquid			
Malathion.....	57.00	59.56	Passed
do.....	57.00	60.11	Passed
W. R. Peele Company, Inc.			
Pelco 4% Malathion Dust			
Malathion.....	4.00	2.98	Deficient
Planters Chemical Corp.			
Planters 4% Malathion Dust			
Malathion.....	4.00	3.59	Deficient
do.....	4.00	3.12	Deficient
do.....	4.00	3.12	Deficient
B. G. Pratt Co.			
Pratt's EC5 Malathion Spray Emulsifiable			
Malathion.....	57.00	58.09	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Reasor-Hill Corp. (Now: Hercules Powder Co.)			
R-H Pet Ease			
Malathion.....	4.00	1.89	Deficient Not Registered
Rigo Manufacturing Co.			
Kill-Ko Premium Malathion 5% Dust			
Malathion.....	5.00	5.76	Passed
do.....	5.00	4.61	Deficient
Kill-Ko Malathion 50% Emulsifiable			
Malathion.....	50.00	49.92	Passed
Royster Chemical Co.			
Royster Chem-Pest "50D"			
Malathion.....	5.00	4.80	Passed
do.....	5.00	4.35	Deficient
Southern Agricultural Chemicals, Inc.			
Royal Brand Malathion 5-E			
Malathion.....	55.30	53.39	Passed
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 4% Malathion Dust			
Malathion.....	4.00	4.46	Passed
SA-50 Brand 5% Malathion Dust			
Malathion.....	5.00	3.86	Deficient
do.....	5.00	4.72	Deficient
SA-50 Brand 53% Emulsible Malathion			
Malathion.....	53.00	60.70	Excessive Active Ingredient
Starbar Div. Thuron Industries, Inc.			
Starbar Super-Mal 50% Malathion Insecticide Spray			
Malathion.....	50.00	50.22	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Swift and Co.			
Agricultural Chemical Div.			
Swift's 5% Malathion Dust			
Malathion.....	5.00	4.59	Deficient
Swift's Gold Bear Malathion-G5E			
Malathion.....	55.20	55.26	Passed
Taylor Chemical Co.			
Superkill 4% Malathion Dust			
Malathion.....	4.00	4.20	Passed
do.....	4.00	3.96	Passed
Superkill 5% Malathion Dust			
Malathion.....	5.00	4.13	Deficient
Superkill 55% Malathion Emulsifiable Concentrate			
Malathion.....	55.00	54.86	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 5% Malathion Dust			
Malathion.....	5.00	4.71	Deficient
do.....	5.00	3.63	Deficient
Security Brand Malathion 5-E Emulsifiable Liquid			
Malathion.....	56.10	57.22	Passed
MALATHION-CAPTAN-KARATHANE-SEVIN			
Thompson-Hayward Chemical Co.			
Philips Roxane Div.			
De-Pester Rose Dust			
Malathion.....	4.00	4.97	Passed
Captan.....	7.00	6.85	
Karathene.....	1.25		
Sevin.....	10.30		
Theoretical nitrogen.....	1.07	1.18	
MALATHION-CAPTAN-METHOXYCHLOR			
Acme Quality Paints, Inc.			
(Registered by The Sherwin-Williams Co.)			
Acme Fruit Tree Spray			
Malathion.....	6.00	6.24	Passed
Captan.....	12.00		
Methoxychlor.....	12.00		
Theoretical chlorine.....	7.90	8.35	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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MALATHION-CAPTAN-METHOXYCHLOR-SULFUR**Boyle-Midway Inc.**

Antrol Multi-Purpose Dust

Malathion.....	4.00	4.25	Passed
Captan.....	4.00		
Methoxychlor.....	5.00		
Sulfur.....	25.00	26.02	
Theoretical chlorine.....	2.94	3.21	

MALATHION-DDVP**Hot Shot Quality Products, Inc.**

Hot Shot Fly Bait

Malathion.....	1.00		Passed
DDVP.....	0.50		
Theoretical phosphorus.....	0.16	0.18	
Malathion.....	1.00		Passed
DDVP.....	0.50		
Theoretical phosphorus.....	0.16	0.16	
Malathion.....	1.00		Passed
DDVP.....	0.50		
Theoretical phosphorus.....	0.16	0.19	

MALATHION-DIAZINON**Gaston Johnston Corp.**

Johnston's No-Roach

Malathion.....	0.70		Passed
Diazinon.....	0.30		
Theoretical phosphorus.....	0.10	0.11	

MALATHION-DIELDRIN-PIPERONYL BUTOXIDE-PYRETHRINS**West Chemical Products, Inc.**

Westicide

Malathion.....	1.00	0.88	Passed
Dieldrin.....	0.50	0.64	
Piperonyl butoxide.....	0.125	0.11	
Pyrethrins.....	0.05	0.05	

MALATHION-FERBAM-SULFUR**Southern Agricultural Insecticides, Inc.**

SA-50 Brand Fruit Tree Spray

Malathion.....	9.90	9.12	Deficient
Ferbam.....	15.00	15.35	
Sulfur.....	23.90	23.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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MALATHION-METHOXYCHLOR**Farmers Cooperative Exchange, Inc.**

FCX Bean Dust

Malathion.....	3.00	2.48	Deficient
Methoxychlor.....	3.00	3.25	
Malathion.....	3.00	2.85	Passed
Methoxychlor.....	3.00	3.30	

Starbar Div.**Thuron Industries, Inc.**

Starbar M and M Dairy, Livestock and Poultry Dust

Malathion.....	4.00	3.89	Passed
Methoxychlor.....	5.00	5.25	
Malathion.....	4.00	3.46	Deficient
Methoxychlor.....	5.00	5.20	

**MALATHION—METHOXYCHLOR—PIPERONYL BUTOXIDE—
PYRETHRINS—2,2'THIOBIS (4-CHLORO-6-METHYLPHENOL)****The R. T. French Co.**

Shoo Flea by French's

Malathion.....	0.50	0.33	Passed
Methoxychlor.....	0.50		
Piperonyl butoxide.....	0.48	0.46	
Pyrethrins.....	0.06	0.06	
2,2'Thiobis (4-chloro-6-methyl- phenol).....	0.10		
Theoretical chlorine.....	0.17	0.18	
Malathion.....	0.50	0.50	Passed
Methoxychlor.....	0.50		
Piperonyl butoxide.....	0.48	0.41	
Pyrethrins.....	0.06	0.07	
2,2'Thiobis (4-chloro-6-methyl- phenol).....	0.10		
Theoretical chlorine.....	0.17	0.19	

MALATHION-PHENOLS**Carbola Chemical Company, Inc.**

Carbola Super D Dry Dust

Malathion.....	0.66	0.20	Deficient
Phenols.....	3.00	Present	

Carbola Dry Insecticide Deodorant Soil Treatment

Malathion.....	1.00	0.21	Deficient
Phenols.....	1.60	Present	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**MALATHION—PIPERONYL BUTOXIDE—PYRETHRINS—
2,2'THIOBIS (4-CHLORO-6-METHYLPHENOL)**

Rigo Manufacturing Co.

Kill-Ko Flea and Tick Spray

Malathion.....	0.50	0.45	Passed
Piperonyl butoxide.....	0.48	0.39	
Pyrethrins.....	0.06	0.06	
2,2'Thiobis (4-chloro-6-methyl phenol).....	0.10	0.10	

MALATHION-SEVIN

Daly-Herring Co.

Dee Aitch Garden Dust

Malathion.....	3.00	2.64	Deficient
Sevin.....	3.00	3.06	

Bacco Garden Dust

Malathion.....	3.00	2.59	Deficient
Sevin.....	3.00	2.44	

MALATHION-SULFUR

Olin Mathieson Chemical Corp.

Mathieson Malathion Sulphur Peanut Dust

Malathion.....	4.00	3.17	Deficient
Sulphur.....	75.00	75.24	

Southern Agricultural Chemicals, Inc.

Royal Brand 4% Malathion Dust

Malathion.....	4.00	3.83	Not Registered
Sulfur.....	18.00	18.25	
Malathion.....	4.00	3.91	Not Registered
Sulfur.....	18.00	18.35	

Southern Agricultural Insecticides, Inc.

SA-50 Brand Pole Bean Dust

Malathion.....	4.00	4.33	Passed
Sulfur.....	70.00	73.88	

MANEB

Carolina Chemical Corp.

Dithane Maneb Tobacco Dust 2% Dithane M-22

Maneb.....	1.40	0.99	Deficient
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Dithane M-22 Special			
Maneb.....	1.40	0.78	Deficient
Daly-Herring Co.			
Dee Aitch New P-Nut Dust			
Maneb.....	4.00	3.29	Deficient
Farmers Cooperative Exchange, Inc.			
FCX 1.4 % Maneb Dust			
Maneb.....	1.40	1.39	Passed
do.....	1.40	0.96	Deficient
FCX Cucumber and Melon Dust			
Maneb.....	5.00	2.51	Deficient
Olin Mathieson Chemical Corp.			
Mathieson Maneb 4 % Dust			
Maneb.....	4.00	3.76	Deficient
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Manzate Dust			
Maneb.....	5.60	5.72	Passed
do.....	5.60	4.46	Deficient
do.....	5.60	5.75	Passed
do.....	5.60	3.66	Deficient
SA-50 Brand Maneb Spray Concentrate			
Maneb.....	80.00	80.15	Passed
METHOXYCHLOR			
E. I. duPont de Nemours and Co.			
DuPont Dairy Cattle Insecticide Wettable Powder			
Methoxychlor.....	50.00	49.98	Passed
do.....	50.00	51.06	Passed
do.....	50.00	51.07	Passed
do.....	50.00	50.36	Passed
Geigy Agricultural Chemicals			
Geigy Methoxychlor 25 E			
Methoxychlor.....	25.00	25.75	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Rigo Manufacturing Co.

Kill-Ko Methoxychlor Dairy Kattle Dust

Methoxychlor.....	10.00	10.36	Passed
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**METHOXYCHLOR—ALLETHRIN—N-OCTYL BICYCLOHEPTENE
DICARBOXIMIDE—THANITE****Shulton, Inc.**

Bridgeport Bug Bomb

Methoxychlor.....	1.26	1.52	Passed
Allethrin.....	0.113	Present	
N-octyl bicycloheptene dicarboxi- mide.....	0.15		
Thanite.....	1.00		
Theoretical nitrogen.....	0.06	0.06	

METHOXYCHLOR—CHLOROETHENE—PYRETHRINS**Cook Chemical Co.**

Real-Kill Fly and Mosquito Killer

Methoxychlor.....	0.50		Deficient
Chloroethene.....	0.50		
Pyrethrins.....	0.05	0.06	
Theoretical chlorine.....	0.55	0.21	

METHOXYCHLOR-FERBAM-ROTENONE-SULFUR**E. I. duPont de Nemours and Co.**

DuPont Floral Dust

Methoxychlor.....	5.00	5.13	Passed
Ferbam.....	7.60	7.31	
Rotenone.....	0.75	Present	
Sulfur.....	26.20	28.28	

METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS**Gulf Oil Corp.**

Gulf Spray Aerosol

Methoxychlor.....	2.00	2.02	Passed
Piperonyl butoxide.....	1.00	0.83	
Pyrethrins.....	0.25	0.32	
Methoxychlor.....	2.00	2.01	Passed
Piperonyl butoxide.....	1.00	0.69	
Pyrethrins.....	0.25	0.23	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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METHOXYCHLOR-PIPERONYL BUTOXIDE-PYRETHRINS- ROTENONE

Happy Jack, Inc.

Happy Jack Flea-Tick Spray

Methoxychlor.....	0.50	0.59	Passed
Piperonyl butoxide.....	0.103	0.13	
Pyrethrins.....	0.051	0.06	
Rotenone.....	0.10	Present	

METHOXYCHLOR-ROTENONE

Pratt Laboratories

Division of C. J. Martin and Sons, Inc.

Pratts Lice Killer

Methoxychlor.....	0.50	0.61	Passed
Rotenone.....	1.00	1.10	

Sears, Roebuck and Co.

Cross Country Vegetable Garden Dust

Methoxychlor.....	5.00	5.65	Passed
Rotenone.....	1.25	1.13	

METHYL PARATHION

Carolina Chemical Corp.

Methyl Parathion Emulsible Concentrate

Methyl parathion.....	24.90	22.39	Deficient Not Registered
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Southern Agricultural Chemicals, Inc.

Royal Brand Methyl Parathion 2 Emulsion

Methyl parathion.....	23.50	24.58	Passed
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Woolfolk Chemical Works, Ltd.

Security Brand Methyl Parathion EC-4

Methyl parathion.....	45.00	40.93	Deficient
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NEMAGON

Daly-Herring Co.

Dee Aitch Nemagon EC-2

Nemagon.....	70.70	68.74	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Nemagon EC-2			
Nemagon.....	70.70	69.90	Not Registered
Meherrin Agricultural and Chemical Co.			
Red Kay Brand Nemagon EC-2 Soil Fumigant			
Nemagon.....	70.70	68.62	Not Registered
Planters Chemical Corp.			
Planters Fumazone 44E			
Nemagon.....	44.10	42.48	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 10% Granulated Nemagon			
Nemagon.....	10.00	10.21	Passed
do.....	10.00	9.57	Passed
do.....	10.00	11.14	Passed
PARATHION			
Atlas Agricultural Chemicals, Inc.			
Atlas 4% Parathion Granules			
Parathion.....	4.00	3.84	Passed
do.....	4.00	3.68	Deficient
Atlas Ethyl Parathion EM-2			
Parathion.....	25.00	24.85	Passed
Atlas 4 lb. Ethyl Parathion Emulsifiable Concentrate			
Parathion.....	46.50	46.21	Passed
do.....	46.50	46.40	Passed
California Chemical Company-Ortho Div.			
Ortho Parathion 4 Granular			
Parathion.....	4.00	4.18	Passed
do.....	4.00	3.36	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 1 % Parathion Dust			
Parathion.....	1.00	0.90	Deficient
Daly-Herring Co.			
Dee Aitch 2% Parathion Dust			
Parathion.....	2.00	1.65	Deficient
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 4 % Parathion Granules			
Parathion.....	4.00	4.07	Passed
W. R. Peele Company, Inc.			
Pelco 4 lb. Ethyl Parathion E.C.			
Parathion.....	46.50	48.05	Passed
Standard Spray and Chemical Co.			
Standard Brand 42% Parathion			
Parathion.....	42.00	5.06	Deficient
PARATHION-SULFUR			
Taylor Chemical Co.			
Superkill Peach Dust No. 1			
Parathion.....	1.50	1.47	Passed
Sulfur.....	80.00	79.00	
Superkill Peach Dust No. 2			
Parathion.....	3.70	4.15	Passed
Sulfur.....	75.00	75.23	
PENAR			
Pennsalt Chemicals Corp. Agricultural Chemicals Div.			
Penar			
Penar.....	56.50	56.58	Passed
do.....	56.50	55.26	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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PENTACHLOROPHENOL**Daly-Herring Co.**

Dee Aitch 41% Penta Wood Preservative

Pentachlorophenol.....	41.00	39.71	Passed
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W. R. Peele Company, Inc.

Pelco 5% Pentachlorophenol Preservative

Pentachlorophenol.....	5.00	4.95	Passed
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PERTHANE**Chemway Corp.****Household Products Div.**

Neo Larvex Moth Proof Spray

Perthane.....	5.00	4.44	Deficient
do.....	5.00	4.76	Passed

PERTHANE-DICAPHTON-VAPONA**Starbar Div.****Thuron Industries, Inc.**

Starbar Golden Malrin

Perthane.....	0.20		Passed
Dicapthon.....	0.20		
Vapona.....	0.10		
Theoretical chlorine.....	0.28	0.17	

PHALTAN**California Chemical Company-Ortho Div.**

Ortho Phaltan 50 Wettable

Phaltan.....	50.00	52.92	Passed
do.....	50.00	50.00	Passed

PHENOLS**Allied Drug Products Co.**

Allied Brand Dip and Disinfectant

Phenols.....	9.00	14.55	Excessive Active Ingredient
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Belknap Hardware Co.			
Crusader Creosote			
Phenols.....	—	3.03	Not Registered
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark Dip and Disinfectant			
Phenols.....	14.00	16.73	Passed
do.....	16.00	17.50	Passed
National Hog Medicine Co.			
National Creso Dip			
Phenols.....	18.00	6.71	Deficient
Parke, Davis and Co.			
Kreso Dip No. 1			
Phenols.....	18.00	18.70	Passed
Thompson-Hayward Chemical Co.			
T-H Kremulso			
Phenols.....	50.00	50.51	Not Registered
United Co-Operatives, Inc.			
Unico Stock Dip and Disinfectant			
Phenols.....	12.00	14.79	Passed
West Disinfecting Co. (Now: West Chemical Products, Inc.)			
Coro-Noleum Disinfectant Cleanser and Deodorant			
Phenols.....	12.60	13.15	Passed
Whitmoyer Laboratories, Inc.			
Whitmoyer Hydrol			
Phenols.....	38.73	50.00	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
PHOSDRIN			
Daly-Herring Co.			
Bacco 2% Phosdrin Insecticide Dust			
Phosdrin.....	2.00	0.97	Deficient Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand 2% Phosdrin Insecticide Dust			
Phosdrin.....	2.00	1.21	Deficient
do.....	2.00	0.97	Deficient
PHOSPHORUS			
Common Sense Manufacturing Company, Inc.			
Common Sense Rat Preparation			
Phosphorus.....	2.00	2.36	Passed
do.....	2.00	2.29	Passed
Nip-Co Manufacturing, Inc.			
Rat Nip			
Phosphorus.....	1.25	1.40	Passed
Stearn's Electric Paste Co.			
Stearn's Electric Brand Rat and Roach Paste			
Phosphorus.....	3.00	3.08	Passed
PIVAL			
All Star Mills, Inc.			
All Star Rat-Mice Killer Bait			
Pival.....	0.025	0.024	Passed
do.....	0.025	0.030	Passed
Perfection Rat-Mice Killer Bait			
Pival.....	0.50	0.57	Passed
Farmers Cooperative Exchange, Inc.			
Trackdown Rat and Mouse Bait			
Pival.....	0.025	0.025	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Charles Pfizer and Company, Inc.

Tri-Ban Kills Mice

Pival.....	0.025	0.025	Passed
do.....	0.025	0.026	Passed
do.....	0.025	0.029	Passed

PIVALYN**Douglas Chemical Co.**

Douglas Rat and Mouse Killer contains Pivalyn

Pivalyn.....	0.14	0.19	Passed
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Ralston Purina Co.

Purina Mouse Kill

Pivalyn.....	0.0275	0.0263	Passed
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Purina Rat-Kill

Pivalyn.....	0.0275	0.0261	Passed
do.....	0.0275	0.0275	Passed

PYRETHRINS**McCormick and Company, Inc.**

Bee Brand Insect Powder

Pyrethrins.....	0.75	0.80	Passed
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PYRETHRINS-BORIC ACID-PIPERONYL BUTOXIDE**McCormick and Company, Inc.**

Bee Brand Roach Killer

Pyrethrins.....	0.33	0.32	Passed
Boric acid.....	15.00	14.92	
Piperonyl butoxide.....	2.00	1.32	

PYRETHRINS-BORIC ACID-PIPERONYL CYCLONENE**McCormick and Company, Inc.**

Bee Brand Roach Killer

Pyrethrins.....	0.33	0.38	Passed
Boric acid.....	15.04	16.72	
Piperonyl cyclonene.....	2.00	Present	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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PYRETHRINS-LETHANE 384-PINE OIL-PIPERONYL BUTOXIDE**Ralston Purina Co.**

Purina Dairy Spray

Pyrethrins.....	0.03	0.04	Passed
Lethane 384.....	1.00	Present	
Pine oil.....	2.00	Present	
Piperonyl butoxide.....	0.24	0.08	
Pyrethrins.....	0.03	0.04	Passed
Lethane 384.....	1.00	Present	
Pine oil.....	2.00	Present	
Piperonyl butoxide.....	0.24	0.10	

PYRETHRINS-PINE OIL**Dr. LeGear, Inc.**

Dr. LeGear Beef and Dairy Cattle Spray

Pyrethrins.....	0.03	0.03	Passed
Pine oil.....	2.00	Present	
Pyrethrins.....	0.03	0.04	Passed
Pine oil.....	2.00	Present	
Pyrethrins.....	0.03	0.03	Passed
Pine oil.....	2.00	Present	

PYRETHRINS-PINE OIL-PIPERONYL BUTOXIDE**The Farnam Co.**

Farnam Repel-X Fly Spray Concentrate

Pyrethrins.....	0.40	0.38	Deficient
Pine oil.....	40.00	Present	Not
Piperonyl butoxide.....	1.00	0.44	Registered

PYRETHRINS-PIPERONYL BUTOXIDE**The Great Atlantic and Pacific Tea Company, Inc.**

Bright Sail Aerosol Insect Killer

Pyrethrins.....	0.30	0.36	Passed
Piperonyl butoxide.....	0.60	0.58	
Pyrethrins.....	0.30	0.30	Passed
Piperonyl butoxide.....	0.60	0.56	
Pyrethrins.....	0.30	0.26	Passed
Piperonyl butoxide.....	0.60	0.57	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Big Star Foods (Registered by Colonial Stores, Inc.)			
3-D Non-Toxic Insect Killer			
Pyrethrins.....	0.30	0.30	Passed
Piperonyl butoxide.....	0.60	0.59	
Pyrethrins.....	0.30	0.28	Passed
Piperonyl butoxide.....	0.60	0.59	
California Chemical Company-Ortho Div.			
Ortho Dairy and Stock Fly Spray			
Pyrethrins.....	0.03	0.04	Passed
Piperonyl butoxide.....	0.25	0.25	
Pyrethrins.....	0.03	0.04	Passed
Piperonyl butoxide.....	0.25	0.19	
Chambers-Godfrey Manufacturing Co.			
Chambers' Smoke House Spray			
Pyrethrins.....	0.10	0.11	Not Registered
Piperonyl butoxide.....	1.00	0.89	
Chambers' Improved Anti-Skipper Compound			
Pyrethrins.....	0.10	0.09	Passed
Piperonyl butoxide.....	1.00	0.49	
The Dill Company, Inc.			
Dill Spray Insect Killer			
Pyrethrins.....	0.20	0.22	Passed
Piperonyl butoxide.....	1.00	1.09	
Pyrethrins.....	0.20	0.20	Passed
Piperonyl butoxide.....	1.00	0.96	
Pyrethrins.....	0.20	0.20	Passed
Piperonyl butoxide.....	1.00	0.95	
Douglas Chemical Co.			
Douglas Special Mill Spray			
Pyrethrins.....	0.14	0.14	Passed
Piperonyl butoxide.....	1.39	1.32	
The Farnam Co.			
Farnam Wipe Fly Protectant			
Pyrethrins.....	—	0.28	Misbranded Not Registered
Piperonyl butoxide.....	—	0.10	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
The Gland-O-Lac Co.			
Gland-O-Lac Dairy and Stock Fly Spray			
Pyrethrins.....	0.025	0.03	Not
Piperonyl butoxide.....	0.25	0.25	Registered
Pyrethrins.....	0.025	0.04	Not
Piperonyl butoxide.....	0.25	0.23	Registered
Hot Shot Quality Products, Inc.			
Hot Shot Fly and Mosquito Insect Bomb			
Pyrethrins.....	0.30	0.32	Passed
Piperonyl butoxide.....	0.96	0.93	
Hot Shot Fly and Mosquito Insect Killer			
Pyrethrins.....	0.075	0.10	Passed
Piperonyl butoxide.....	0.150	0.14	
Pyrethrins.....	0.075	0.08	Passed
Piperonyl butoxide.....	0.150	0.14	
Pyrethrins.....	0.075	0.08	Passed
Piperonyl butoxide.....	0.150	0.12	
Pyrethrins.....	0.100	0.12	Passed
Piperonyl butoxide.....	0.150	0.12	
Pyrethrins.....	0.100	0.09	Passed
Piperonyl butoxide.....	0.150	0.15	
S. C. Johnson and Son, Inc.			
Raid Insect Spray			
Pyrethrins.....	0.075	0.07	Passed
Piperonyl butoxide.....	0.150	0.12	
Pyrethrins.....	0.075	0.09	Passed
Piperonyl butoxide.....	0.150	0.11	
Pyrethrins.....	0.075	0.08	Passed
Piperonyl butoxide.....	0.150	0.12	
Raid Pressurized Flying Insect Killer			
Pyrethrins.....	0.20	0.19	Passed
Piperonyl butoxide.....	1.00	1.19	
McCormick and Company, Inc.			
Bee Brand Roach Killer			
Pyrethrins.....	0.33	0.36	Passed
Piperonyl butoxide.....	2.00	1.66	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Ralston Purina Co.			
Purina Dairy Oiler Insecticide Concentrate			
Pyrethrins.....	0.50	0.60	Passed
Piperonyl butoxide.....	1.00	0.88	
Rigo Manufacturing Co.			
Kill-Ko Quick Kill Insect Killer			
Pyrethrins.....	0.06	0.10	Passed
Piperonyl butoxide.....	0.60	0.55	
Pyrethrins.....	0.06	0.07	Passed
Piperonyl butoxide.....	0.60	0.52	
Swift and Co.			
Agricultural Chemical Div.			
Swift's Gold Bear Brand Livestock Spray No. 1			
Pyrethrins.....	0.03	0.04	Not Registered
Piperonyl butoxide.....	0.15	0.12	
Pyrethrins.....	0.03	0.04	Not Registered
Piperonyl butoxide.....	0.15	0.15	
United Co-Operatives, Inc.			
Unico Midget Insecticide Aerosol			
Pyrethrins.....	1.20	1.19	Deficient
Piperonyl butoxide.....	6.00	4.09	
Vaughan's Seed Co.			
Vaughan's Household Insect Spray			
Pyrethrins.....	0.20	0.20	Passed
Piperonyl butoxide.....	0.72	0.60	
Winru Chemical and Sales Co.			
(Registered by Industrial Fumigant Co.)			
Winru Piperonyl Oil Spray Special			
Pyrethrins.....	0.16	0.22	Passed
Piperonyl butoxide.....	3.16	2.97	
RONNEL-PHENOLS			
Carbola Chemical Company, Inc.			
Carbola Disinfecting White Paint			
Ronnel.....	0.50	0.54	Passed
Phenols.....	1.60	Present	
Ronnel.....	0.50	0.58	Passed
Phenols.....	1.60	Present	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
ROTENONE			
Allied Drug Products Co.			
Dr. Thacker's Flea Powder			
Rotenone.....	1.75	1.86	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 1 % Rotenone Dust			
Rotenone.....	1.00	1.07	Passed
do.....	1.00	1.04	Passed
Carbola Chemical Company, Inc.			
Carbola CCC Garden Rote			
Rotenone.....	0.75	0.40	Deficient
Daly-Herring Co.			
Bacco 1.00 % Rotenone Dust			
Rotenone.....	1.00	0.81	Not Registered
Farmers Cooperative Exchange, Inc.			
FCX Rotox "100"			
Rotenone.....	1.00	0.88	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Rotenone 1 % Dust			
Rotenone.....	1.00	0.95	Passed
do.....	1.00	1.29	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 1 % Rotenone (without Sulphur)			
Rotenone.....	1.00	0.87	Passed
One-Spot Co.			
One-Spot Flea Killer			
Rotenone.....	1.00	0.96	Passed
do.....	1.00	1.03	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Quality Chemical Corp.

Champion Rotenone 1% Dust

Rotenone.....	1.00	0.79	Deficient Not Registered
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Taylor Chemical Co.

Superkill 1% Rotenone Dust for Beans

Rotenone.....	1.00	0.81	Passed
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Woolfolk Chemical Works, Ltd.

Security Brand Mexide 1% Rotenone Dust

Rotenone.....	1.00	0.92	Passed
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ROTENONE-COPPER OXYCHLORIDE SULPHATE-LETHANE 60**Carbola Chemical Company, Inc.**

Carbola CCC Copper Rote

Rotenone.....	0.40	0.10	Deficient
Copper oxychloride sulphate.....	6.00	6.27	
Lethane 60.....	0.75	Present	

ROTENONE-DICHLOROPHENE**Hartz Mountain Products Corp.**

Hartz Mountain Cat Flea Powder

Rotenone.....	0.75	0.60	Deficient
Dichlorophene.....	0.50	0.20	

ROTENONE-PINE OIL-PIPERONYL BUTOXIDE-PYRETHRINS**Whitmire Research Laboratories, Inc.**

Whitmire's Flys-Off Settling Mist Insecticide

Rotenone.....	0.10	Present	Passed
Pine oil.....	5.00	Present	
Piperonyl butoxide.....	0.10	Present	
Pyrethrins.....	0.05	0.06	

ROTENONE-PIPERONYL BUTOXIDE-PYRETHRINS**Boyle-Midway Inc.**

Black Flag Flea, Tick and Louse Powder

Rotenone.....	0.50	0.42	Passed
Piperonyl butoxide.....	1.00	0.94	
Pyrethrins.....	0.10	0.09	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Black Flag Flea, Tick and Louse Powder (Continued)			
Rotenone.....	0.50	0.83	Passed
Piperonyl butoxide.....	1.00	1.04	
Pyrethrins.....	0.10	0.11	
Rotenone.....	0.50	0.78	Passed
Piperonyl butoxide.....	1.00	0.99	
Pyrethrins.....	0.10	0.14	
McCormick and Company, Inc.			
Bee Brand Insecticidal Shampoo			
Rotenone.....	0.10	Present	Passed
Piperonyl butoxide.....	0.50	0.44	
Pyrethrins.....	0.10	0.15	
Plant Marvel Laboratories			
Plant Marvel i-bomb Insecticide Spray			
Rotenone.....	0.128	Present	Passed
Piperonyl butoxide.....	0.256	0.251	
Pyrethrins.....	0.0255	0.024	
Wilson Pest Control Company, Inc.			
Wilson's Bug-Killer and Air Sanitizer			
Rotenone.....	0.033	Present	Passed
Piperonyl butoxide.....	0.50	0.61	
Pyrethrins.....	0.20	0.26	
ROTENONE-PIPERONYL BUTOXIDE-PYRETHRINS-SULFUR			
Planters Chemical Corp.			
Planters PDQ Bean and Garden Dust			
Rotenone.....	0.40	0.50	Passed
Piperonyl butoxide.....	0.37	0.32	
Pyrethrins.....	0.03	0.05	
Sulfur.....	10.00	14.02	
ROTENONE-PYRETHRINS-SULFUR			
Southern Agricultural Insecticides, Inc.			
SA-50 Brand for Mexican Bean Beetle Dust			
Rotenone.....	0.50	0.41	Passed
Pyrethrins.....	0.04	0.07	
Sulfur.....	18.00	18.91	
Rotenone.....	0.50	0.51	Passed
Pyrethrins.....	0.04	0.04	
Sulfur.....	18.00	19.08	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand for Mexican Bean Beetle Dust (Continued)			
Rotenone.....	0.50	0.41	Passed
Pyrethrins.....	0.04	0.04	
Sulfur.....	18.00	19.55	
SA-50 Brand SA-100 for Mexican Bean Beetle Control			
Rotenone.....	1.00	1.09	Passed
Pyrethrins.....	0.08	0.13	
Sulfur.....	18.00	19.82	
Rotenone.....	1.00	0.84	Passed
Pyrethrins.....	0.08	0.16	
Sulfur.....	18.00	18.14	
Rotenone.....	1.00	0.86	Passed
Pyrethrins.....	0.08	0.08	
Sulfur.....	18.00	19.25	

ROTENONE-PYRETHRINS-SULFUR-ZINEB**Swift and Co.
Agricultural Chemical Div.**

End-O-Pest for Gardens

Rotenone.....	1.00	Present	Deficient
Pyrethrins.....	0.10	0.12	
Sulfur.....	10.00	9.80	
Zineb.....	3.25	2.78	

ROTENONE-SULFUR**Farmers Cooperative Exchange, Inc.**

FCX Cattle Grub and Louse Powder

Rotenone.....	1.60	1.35	Deficient
Sulfur.....	45.00	37.95	
Rotenone.....	1.60	1.70	Passed
Sulfur.....	45.00	44.46	

Graham Chemical Co.

Graham's Red Star Agricultural Vegetable Dust

Rotenone.....	1.00	0.80	Passed
Sulfur.....	15.00	14.51	
Rotenone.....	1.00	0.85	Deficient
Sulfur.....	15.00	13.60	

Sam Houston Co.

Houston's Rotenone Sulphur-Talc

Rotenone.....	0.75	0.58	Passed
Sulfur.....	10.00	9.70	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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K-9 Products Co.

Dorsey's K-9 Flea and Mange Killer

Rotenone.....	2.00	1.82	Not Registered
Sulfur.....	66.70	68.34	

Dr. LeGear, Inc.

Dr. LeGear Grub and Louse Dust

Rotenone.....	1.70	1.46	Passed
Sulfur.....	8.00	7.96	

Maxwell Insecticide Company, Inc.

(Now: W. R. Grace and Co.)

Davison Chemical Div.)

Maxwell 1% Rotenone Dust (with Sulfur)

Rotenone.....	1.00	1.00	Deficient
Sulfur.....	15.00	13.00	
Rotenone.....	1.00	0.97	Passed
Sulfur.....	15.00	14.58	
Rotenone.....	1.00	1.06	Passed
Sulfur.....	15.00	15.11	

W. R. Peele Company, Inc.

Pelco 1% Rotenone Dust

Rotenone.....	1.00	1.28	Passed
Sulfur.....	15.00	15.44	

SABADILLA**GurMiCo Chemicals, Inc.**

GurMiCo 20% Sabadilla Dust

Sabadilla alkaloids.....	0.80	0.89	Passed
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Maxwell Insecticide Company, Inc.

(Now: W. R. Grace and Co.)

Davison Chemical Div.)

Maxwell 20% Sabadilla Dust

Sabadilla alkaloids.....	0.80	0.83	Passed
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W. R. Peele Company, Inc.

Pelco 20% Sabadilla Dust

Sabadilla alkaloids.....	0.80	1.23	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Taylor Chemical Co.			
Superkill 20% Sabadilla Dust			
Sabadilla alkaloids.....	0.80	1.07	Passed
SEVIN			
Acme Quality Paints, Inc. (Registered by The Sherwin-Williams Co.)			
Acme Sevin 50W			
Sevin.....	50.00	51.11	Passed
Allied Drug Products Co.			
Allied Flea Killer			
Sevin.....	5.00	5.31	Passed
do.....	5.00	4.98	Passed
Atlas Agricultural Chemicals, Inc.			
Atlas 5% Sevin Dust			
Sevin.....	5.00	4.98	Passed
California Chemical Company-Ortho Div.			
Ortho Sevin 5 Dust			
Sevin.....	5.00	5.08	Passed
do.....	5.00	4.93	Passed
do.....	5.00	4.94	Passed
do.....	5.00	5.35	Passed
do.....	5.00	4.94	Passed
Ortho Sevin 7.5 Dust			
Sevin.....	7.50	9.19	Passed
Ortho Sevin 10 Dust			
Sevin.....	10.00	10.44	Passed
do.....	10.00	10.19	Passed
do.....	10.00	10.74	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand Sevin Vegetable Dust			
Sevin.....	1.75	1.93	Passed
Carolina Chemicals, Inc.			
Flight Brand 5% Sevin Dust			
Sevin.....	5.00	5.15	Passed
Flight Brand 10% Sevin Dust			
Sevin.....	10.00	10.30	Passed
do.....	10.00	10.32	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Carter Insecticide and Chemical Company, Inc.			
Carolina Brand 10 % Sevin Dust			
Sevin.....	10.00	9.79	Passed
Cobell Chemical Co.			
Obell's Sevin Dust			
Sevin.....	2.00	2.10	Not Registered
Daly-Herring Co.			
Dee Aitch 5 % Sevin Dust			
Sevin.....	5.00	5.23	Passed
do.....	5.00	5.17	Passed
Dee Aitch 10 % Sevin Dust			
Sevin.....	10.00	10.81	Passed
E-Z-Flo Chemical Co. (Registered by Taylor Chemical Co.)			
E-Z-Flo Sevin 10 Dust			
Sevin.....	10.00	10.78	Passed
Farmers Cooperative Exchange, Inc.			
FCX 5 % Dust Contains Sevin			
Sevin.....	5.00	4.76	Passed
do.....	5.00	5.06	Passed
FCX 10 % Sevin Dust			
Sevin.....	10.00	10.11	Passed
Florida Agricultural Supply Co.			
Fasco Sevin Dust-5			
Sevin.....	5.00	5.31	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 5 % Sevin Tobacco Dust			
Sevin.....	5.00	5.18	Passed
Graham Chemical Company, Inc.			
Graham's Red Star Sevin Dust			
Sevin.....	2.50	2.61	Passed
do.....	2.50	2.59	Passed
do.....	2.50	2.66	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
GurMiCo Chemicals, Inc.			
GurMiCo 5% Sevin Garden Dust			
Sevin.....	5.00	4.85	Passed
GurMiCo 10% Sevin Dust			
Sevin.....	10.00	10.17	Passed
Joro, Inc.			
Nok-Out 175 Dust			
Sevin.....	1.75	1.97	Passed
Nok-Out 500 Dust			
Sevin.....	5.00	5.29	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Sevin Bean Dust			
Sevin.....	1.75	1.84	Passed
Maxwell 5% Sevin Dust			
Sevin.....	5.00	4.93	Passed
Maxwell 5% Sevin Tobacco Dust			
Sevin.....	5.00	5.35	Passed
do.....	5.00	5.19	Passed
Niagara Chemical Div. FMC Corp.			
Niagara Sevin 5 Dust			
Sevin.....	5.00	5.31	Passed
Niagara Sevin 10 Dust			
Sevin.....	10.00	10.43	Passed
Olin Mathieson Chemical Corp.			
Mathieson Sevin 5% Dust			
Sevin.....	5.00	4.90	Passed
Pee Dee Chemicals, Inc.			
Palmetto Brand 10% Sevin Dust			
Sevin.....	10.00	10.43	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Planters Chemical Corp.			
Planters 5% Sevin Dust			
Sevin.....	5.00	5.21	Passed
Planters 10% Sevin Dust			
Sevin.....	10.00	10.62	Passed
do.....	10.00	10.96	Passed
Rigo Manufacturing Co.			
Kill-Ko Flea Powder			
Sevin.....	5.00	4.79	Passed
do.....	5.00	5.47	Passed
do.....	5.00	5.13	Passed
do.....	5.00	5.09	Passed
Kill-Ko Vegetable Dust			
Sevin.....	5.00	4.99	Passed
do.....	5.00	5.23	Passed
do.....	5.00	5.31	Passed
Seacoast Laboratories, Inc.			
Twin Light Sevin 5% Dust			
Sevin.....	5.00	4.79	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand Sevin Bean Dust			
Sevin.....	5.00	5.42	Not Registered
Royal Brand 7.5% Sevin Cotton Dust			
Sevin.....	7.50	7.98	Passed
Royal Brand 10% Sevin Cotton Dust			
Sevin.....	10.00	6.61	Deficient Not Registered
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Sevin 1.75% Dust			
Sevin.....	1.75	2.15	Passed
do.....	1.75	1.87	Passed
do.....	1.75	1.91	Passed
do.....	1.75	1.80	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Sevin 5% Dust			
Sevin.....	5.00	5.39	Passed
do.....	5.00	5.71	Passed
do.....	5.00	7.12	Excessive Active Ingredient
do.....	5.00	5.39	Passed
do.....	5.00	4.00	Deficient
Swift and Co. Agricultural Chemicals Div.			
Swift's Vegetable Dust 5% Sevin			
Sevin.....	5.00	4.92	Passed
do.....	5.00	5.38	Passed
Taylor Chemical Co.			
Superkill 1¾ % Sevin Dust			
Sevin.....	1.75	1.90	Passed
do.....	1.75	1.93	Passed
Superkill Flea and Tick Powder			
Sevin.....	5.00	5.25	Passed
do.....	5.00	4.98	Passed
Superkill 5% Sevin Dust			
Sevin.....	5.00	5.31	Passed
do.....	5.00	5.17	Passed
Superkill 10% Sevin Dust			
Sevin.....	10.00	10.27	Passed
Superkill 50% Sevin Wettable Powder			
Sevin.....	50.00	50.40	Passed
Union Carbide Corp.			
Crag Sevin 50W Insecticide			
Sevin.....	50.00	51.10	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 1¾ % Sevin Bean Dust			
Sevin.....	1.75	1.86	Passed
do.....	1.75	1.96	Passed
Security Brand 5% Sevin Garden Dust			
Sevin.....	5.00	5.24	Passed
do.....	5.00	5.00	Passed
do.....	5.00	5.32	Passed
do.....	5.00	4.91	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Security Brand 7½ % Sevin			
Sevin.....	7.50	7.28	Passed
Security Brand 10 % Sevin Cotton Dust			
Sevin.....	10.00	10.33	Passed

SEVIN-CHLORANIL**Polk Miller Products Corp.****Sergeant's Flea and Tick Powder**

Sevin.....	5.00	5.45	Passed
Chloranil.....	5.00	5.36	
Sevin.....	5.00	5.88	Passed
Chloranil.....	5.00	5.60	
Sevin.....	5.00	5.74	Passed
Chloranil.....	5.00	5.85	
Sevin.....	5.00	5.74	Passed
Chloranil.....	5.00	5.60	
Sevin.....	5.00	5.02	Passed
Chloranil.....	5.00	5.80	

SEVIN-COPPER**J. M. Harris and Company, Inc.****New Dragon Dust**

Sevin.....	2.00	2.10	Passed
Copper as metallic.....	7.00	7.05	
Sevin.....	2.00	2.19	Passed
Copper as metallic.....	7.00	7.69	

Olin Mathieson Chemical Corp.**Mathieson Sevin 3 %—Copper 7 % Dust**

Sevin.....	3.00	3.21	Passed
Copper as metallic.....	7.00	6.92	
Sevin.....	3.00	3.36	Passed
Copper as metallic.....	7.00	7.42	

Planters Chemical Corp.**Planters 3 % Sevin-7 % Copper Dust**

Sevin.....	3.00	3.23	Passed
Copper as metallic.....	7.00	7.47	
Sevin.....	3.00	3.24	Passed
Copper as metallic.....	7.00	6.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SEVIN-COPPER-SULFUR			
California Chemical Company-Ortho Div.			
Ortho Sevin Copper Sulfur 5-4-80 Peanut Dust			
Sevin.....	5.00	5.17	Passed
Copper as metallic.....	4.00	3.81	
Sulfur.....	80.00	77.86	
Carolina Chemical Corp.			
Peanut King Copper 4 Sevin 5 Sulphur 80 Peanut Dust			
Sevin.....	5.00	5.17	Deficient
Copper as metallic.....	4.00	3.29	
Sulphur.....	80.00	82.90	
Carolina Chemicals, Inc.			
Flight Brand Copper-Sevin-Sulphur Peanut Dust 4-5-75			
Sevin.....	5.00	5.17	Deficient
Copper as metallic.....	4.00	2.86	
Sulphur.....	75.00	77.59	
Sevin.....	5.00	5.74	Deficient
Copper as metallic.....	4.00	3.42	
Sulphur.....	75.00	76.10	
Coastal Chemical Corp.			
Coastal 4 % Metallic Copper-5 % Sevin-75 % Sulphur Peanut Dust			
Sevin.....	5.00	5.17	Passed
Copper as metallic.....	4.00	3.91	
Sulphur.....	75.00	74.11	
Daly-Herring Co.			
Dee Aitch 4 % Metallic Copper 5 % Sevin 74 % Sulphur Peanut Dust			
Sevin.....	5.00	4.88	Passed
Copper as metallic.....	4.00	3.96	
Sulphur.....	74.00	74.62	
Sevin.....	5.00	4.31	Deficient
Copper as metallic.....	4.00	4.02	
Sulphur.....	74.00	75.94	
Farmers Cooperative Exchange, Inc.			
FCX Copper Sulphur Sevin Dust			
Sevin.....	5.00	5.17	Passed
Copper as metallic.....	4.00	3.92	
Sulphur.....	80.00	80.77	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Copper-Sevin-Sulphur Peanut Dust 4-5-75			
Sevin.....	5.00	5.74	Passed
Copper as metallic.....	4.00	4.15	
Sulphur.....	75.00	72.70	
GurMiCo Chemicals, Inc.			
GurMiCo 4 % Copper 5 % Sevin 75 % Sulfur Peanut Special			
Sevin.....	5.00	4.88	Deficient
Copper as metallic.....	4.00	4.62	
Sulfur.....	75.00	65.42	
Niagara Chemical Div. FMC Corp.			
Niagara Copper 4 Sevin 5 Sulphur 80 Peanut Dust			
Sevin.....	5.00	4.88	Passed
Copper as metallic.....	4.00	4.23	
Sulphur.....	80.00	81.72	
Olin Mathieson Chemical Corp.			
Mathieson Copper-Sevin-Sulfur 4-5-80 Peanut Dust			
Sevin.....	5.00	5.39	Passed
Copper as metallic.....	4.00	3.89	
Sulfur.....	80.00	80.99	
Planters Chemical Corp.			
Planters Sevin-Copper-Sulfur Dust for Peanuts			
Sevin.....	5.00	5.74	Passed
Copper as metallic.....	4.00	4.18	
Sulfur.....	75.00	74.11	
SEVIN-DICHLOROPHENE			
Happy Jack, Inc.			
Happy Jack Flea-Tick-Powder			
Sevin.....	5.00	4.88	Passed
Dichlorophene.....	1.00	1.10	
Hartz Mountain Products Corp.			
Hartz Mountain Flea Powder			
Sevin.....	5.00	4.94	Passed
Dichlorophene.....	0.50	0.75	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**Starbar Div.
Thuron Industries, Inc.**

Starbar Trix Flea and Tick Powder

Sevin.....	5.00	5.71	Passed
Dichlorophene.....	0.50	0.65	

SEVIN-DICHLOROPHENE-PIPERONYL BUTOXIDE-PYRETHRINS

Pet Chemicals, Inc.

Holiday Flea Stop For Dogs

Sevin.....	5.00	5.94	Passed
Dichlorophene.....	1.00	0.95	
Piperonyl butoxide.....	0.50	0.48	
Pyrethrins.....	0.10	0.09	

SEVIN-KELTHANE-PHALTAN

E. I. duPont de Nemours and Co.

DuPont Deenall

Sevin.....	5.00		Passed
Kelthane.....	3.00		
Phaltan.....	7.50		
Theoretical chlorine.....	4.13	4.54	
Theoretical nitrogen.....	0.70	0.85	

SEVIN-MANEB

Black Leaf Products Co.

Black Leaf Tomato and Vegetable Dust

Sevin.....	5.00		Deficient
Maneb.....	6.00	4.67	
Theoretical nitrogen.....	0.98	1.14	

SEVIN-METHYL PARATHION

Woolfolk Chemical Works, Ltd.

Security Brand Guardex

Sevin.....	10.00		Passed
Methyl parathion.....	1.25		
Theoretical nitrogen.....	0.75	0.70	

SEVIN-PARATHION

Atlas Agricultural Chemicals, Inc.

Atlas 5% Sevin-1% Parathion

Sevin.....	5.00	5.88	Deficient
Parathion.....	1.00	0.84	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Farmers Cooperative Exchange, Inc.

FCX 5% Sevin + 1% Parathion Dust

Sevin.....	5.00	5.45	Passed
Parathion.....	1.00	0.96	

Planters Chemical Corp.

Planters Sevin Tobacco Protector

Sevin.....	5.00	6.03	Passed
Parathion.....	1.00	0.96	

**SEVIN-PHALTAN-PIPERONYL BUTOXIDE-PYRETHRINS-
ROTENONE****Vaughan's Seed Co.**

Vaughan's Rose Spray

Sevin.....	1.00		Not Registered
Phaltan.....	0.70		
Piperonyl butoxide.....	0.256	0.16	
Pyrethrins.....	0.025	0.04	
Rotenone.....	0.128	Present	
Theoretical nitrogen.....	0.102	0.091	

SEVIN-PHALTAN-SULFUR**Union Carbide Consumer Products Co.
(Now: Union Carbide Corp.
Consumer Products Div.)**

Everyday Rose Floral Spray Mix

Sevin.....	10.00		Passed
Phaltan.....	10.00		
Sulfur.....	15.00	16.40	
Theoretical nitrogen.....	1.16	1.12	

SEVIN-PIPERONYL BUTOXIDE-PYRETHRINS**Animal Remedies, Inc.**

Arco Pet Flea Spray No. 7

Sevin.....	0.50	0.60	Not Registered
Piperonyl butoxide.....	0.50	0.41	
Pyrethrins.....	0.05	0.08	

SEVIN-SULFUR**Daly-Herring Co.**

Dee Aitch 5% Sevin 80% Sulphur Peanut Dust

Sevin.....	5.00	4.46	Deficient
Sulphur.....	80.00	80.53	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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**W. R. Grace and Co.
Davison Chemical Div.**

Maxwell Sevin Sulphur 5-50 Dust

Sevin.....	5.00	4.88	Passed
Sulphur.....	50.00	52.20	

Maxwell Sevin-Sulphur Peanut Dust 5-75

Sevin.....	5.00	4.88	Passed
Sulphur.....	75.00	75.74	
Sevin.....	5.00	5.17	Passed
Sulphur.....	75.00	73.28	

J. M. Harris and Company, Inc.

Blue Dragon Sevin

Sevin.....	2.00	2.01	Passed
Sulphur.....	10.00	10.42	
Sevin.....	2.00	2.58	Passed
Sulphur.....	10.00	9.56	
Sevin.....	2.00	2.29	Passed
Sulphur.....	10.00	10.54	
Sevin.....	2.00	2.15	Passed
Sulphur.....	10.00	10.45	
Sevin.....	2.00	2.44	Passed
Sulphur.....	10.00	10.28	

Mike, Inc.

101 Sevin Bean Dust

Sevin.....	1.75	1.73	Passed
Sulfur.....	18.00	18.10	
Sevin.....	1.75	1.86	Passed
Sulfur.....	18.00	17.88	

Ralston Purina Co.

Purina Poultry Dusting Powder

Sevin.....	5.00	5.74	Passed
Sulfur.....	10.00	10.41	
Sevin.....	5.00	5.45	Passed
Sulfur.....	10.00	10.76	

Southern Agricultural Insecticides, Inc.

SA-50 Brand Sevin 1.75% Dust with 60% Sulfur

Sevin.....	1.75	2.01	Passed
Sulfur.....	60.00	60.85	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Sevin 1.75 % Dust with 60 % Sulfur (Continued)			
Sevin.....	1.75	2.01	Passed
Sulfur.....	60.00	59.00	
SA-50 Brand Sevin 3 % Dust with 50 % Sulfur			
Sevin.....	3.00	3.44	Deficient
Sulfur.....	50.00	46.00	
SA-50 Brand Sevin 5 % Dust with 70 % Sulfur			
Sevin.....	5.00	5.45	Passed
Sulfur.....	70.00	72.55	
Sevin.....	5.00	5.45	Passed
Sulfur.....	70.00	75.03	

SEVIN-SULFUR-ZINEB**Acme Quality Paints, Inc.
(Registered by The Sherwin-Williams Co.)****Acme Tomato Vegetable Dust**

Sevin.....	3.00		Passed
Sulfur.....	20.00	20.68	
Zineb.....	5.20		
Theoretical nitrogen.....	0.74	0.86	

STRYCHNINE**Carajon Chemical Company, Inc.****Force's Mous-Rid**

Strychnine alkaloid.....	0.50	0.83	Passed
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Force's Poison Wheat

Strychnine alkaloid.....	0.50	0.57	Passed
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SULPHUR**Jeff Products Co.****Gopher Gasser**

Sulphur.....	45.00	44.65	Not Registered
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Standard Spray and Chemical Co.**Standard Dusting Sulphur**

Sulphur.....	93.00	93.58	Passed
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Taylor Chemical Co.**Superkill Flotation Sulphur (Wettable)**

Sulphur.....	94.00	93.02	Passed
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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THALLIUM SULPHATE**Arnott Chemical and Exterminating Co.**

Arno Poison P-Nuts

Thallium sulphate.....	1.00	1.00	Passed
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Black Magic Co.

Black Magic Roach, Waterbug and Mouse Killer

Thallium sulphate.....	1.25	1.19	Passed
do.....	1.25	0.97	Deficient

Carajon Chemical Company, Inc.

Force's Mol-Rid

Thallium sulphate.....	1.00	1.17	Passed
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Force's Poison Peanuts

Thallium sulphate.....	1.00	1.10	Passed
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James W. King Co.King-Kong Roach, Waterbug, Sweet Eating Ant
and Mouse Destroyer

Thallium sulphate.....	1.25	1.20	Passed
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O. E. Linck Co.**Division Wales-Linck Corp.**

Tat Mo-Go

Thallium sulphate.....	1.00	1.14	Passed
do.....	1.00	1.11	Passed
do.....	1.00	1.10	Passed
do.....	1.00	1.15	Passed

THIODAN**Niagara Chemical Div.****FMC Corp.**

Niagara Thiodan Miscible

Thiodan.....	24.00	25.67	Passed
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Olin Mathieson Chemical Corp.

Mathieson Thiodan 3% Dust

Thiodan.....	3.00	3.50	Passed
do.....	3.00	3.69	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Thiodan 4 Dust			
Thiodan.....	4.00	4.32	Passed
do.....	4.00	4.36	Passed
do.....	4.00	4.71	Passed
do.....	4.00	4.40	Passed
TOXAPHENE			
Armour Agricultural Chemical Co.			
Armagard Toxaphene 6 lb. Emulsion Concentrate			
Toxaphene.....	60.00	59.25	Passed
California Chemical Company-Ortho Div.			
Ortho Toxaphene 20 Dust			
Toxaphene.....	20.00	20.00	Passed
Ortho Toxaphene 6 Emulsion XB			
Toxaphene.....	58.50	59.29	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand Toxaphene Emulsion 60			
Toxaphene.....	60.40	61.64	Passed
Carolina Chemical Corp.			
20% Toxaphene Dust			
Toxaphene.....	20.00	19.56	Passed
Coastal Chemical Corp.			
Coastal 20% Toxaphene Dust			
Toxaphene.....	20.00	21.28	Passed
Toxaphene Emulsion			
Toxaphene.....	60.40	58.13	Passed
Daly-Herring Co.			
Dee Aitch 10% Toxaphene Dust			
Toxaphene.....	10.00	10.57	Passed
Dee Aitch 20% Toxaphene Cotton Dust			
Toxaphene.....	20.00	20.28	Passed
Dee Aitch 60% Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.40	58.33	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Farmers Cooperative Exchange, Inc.			
FCX 10% Toxaphene			
Toxaphene.....	10.00	10.21	Passed
FCX 20-0 Toxaphene			
Toxaphene.....	20.00	20.43	Passed
do.....	20.00	20.56	Passed
do.....	20.00	19.28	Passed
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 20% Toxaphene Dust			
Toxaphene.....	20.00	19.56	Passed
do.....	20.00	20.71	Passed
Maxwell Toxaphene Emulsion 60			
Toxaphene.....	60.40	60.27	Passed
GurMiCo Chemicals, Inc.			
GurMiCo Toxaphene 60% Emulsion			
Toxaphene.....	60.00	62.86	Passed
Howerton Gowen Chemicals, Inc.			
Gowen's 20% Toxaphene Cotton Dust			
Toxaphene.....	20.00	19.56	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 10% Toxaphene Dust			
Toxaphene.....	10.00	9.71	Passed
Maxwell 20% Toxaphene Dust			
Toxaphene.....	20.00	20.56	Passed
Maxwell Toxaphene Emulsion 60			
Toxaphene.....	60.40	58.79	Passed
do.....	60.40	59.95	Passed
Niagara Chemical Div. FMC Corp.			
Niagara Toxakil 20 Dust			
Toxaphene.....	20.00	19.71	Passed
do.....	20.00	20.57	Passed
Niagara Toxakil Miscible			
Toxaphene.....	60.00	60.91	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Pee Dee Chemicals, Inc.			
Palmetto Brand 20-0 Toxaphene Dust			
Toxaphene.....	20.00	20.71	Passed
do.....	20.00	21.28	Passed
W. R. Peele Company, Inc.			
Pelco Toxaphene 60-E.C.			
Toxaphene.....	57.50	59.01	Passed
do.....	57.50	57.15	Passed
Planters Chemical Corp.			
Planters Toxaphene 6 lb. Emulsion Concentrate			
Toxaphene.....	60.00	60.97	Passed
do.....	60.00	59.76	Passed
do.....	60.00	60.71	Passed
do.....	60.00	60.41	Passed
Smith-Douglass Company, Inc.			
Smith-Douglass 20% Toxaphene Dust			
Toxaphene.....	20.00	19.71	Passed
Smith-Douglass 6 lb. Toxaphene Emulsion Concentrate			
Toxaphene.....	60.00	59.54	Passed
do.....	60.00	61.44	Passed
do.....	60.00	60.75	Passed
Southern Agricultural Chemicals, Inc.			
Royal Brand 20% Toxaphene Dust			
Toxaphene.....	20.00	20.85	Passed
Taylor Chemical Co.			
Superkill 60% Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.00	58.73	Passed
do.....	60.00	57.80	Passed
United Co-Operatives, Inc.			
Unico Toxaphene Emulsifiable Concentrate			
Toxaphene.....	60.00	61.99	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 20% Toxaphene Dust			
Toxaphene.....	20.00	20.43	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
TOXAPHENE-DDT			
Armour Agricultural Chemical Co.			
Armagard Toxaphene-DDT Cotton Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.89	
Armagard Toxaphene DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.47	
California Chemical Company-Ortho Div.			
Ortho Toxaphene-DDT 14-7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.07	
Cape Fear Chemicals, Inc.			
Tiger Brand 7-14 DDT Toxaphene Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.16	
Tiger Brand DDT-Toxaphene 2-4 Emulsifiable			
Toxaphene.....	39.50		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.32	35.17	
Carolina Chemical Corp.			
Cotton Special 14% Toxaphene-7% DDT Dust			
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Theoretical chlorine.....	12.88	11.59	
Cotton Special			
Toxaphene.....	40.00		Passed
DDT.....	23.00		
Theoretical chlorine.....	38.30	36.72	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Coastal Chemical Corp.			
Coastal 14 % Toxaphene 7 % DDT			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.81	
40 % Toxaphene 20 % DDT Emulsifiable Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.03	
Daly-Herring Co.			
Dee Aitch 14 % Toxaphene 7 % DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.51	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.25	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.34	
Dee Aitch 40 % Toxaphene-20 % DDT Emulsifiable Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.04	
Farmers Cooperative Exchange, Inc.			
FCX 14-7 Dust (Toxaphene-DDT)			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.42	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.70	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.51	
FCX "42" Cotton Spray			
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.58	36.03	
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.58	36.17	
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.58	36.42	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Grace and Co. Davison Chemical Div.			
Maxwell Toxaphene-DDT Emulsion 4-2			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.88	
GurMiCo Chemicals, Inc.			
GurMiCo DDT 7 Toxaphene 14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.34	
Howerton Gowen Chemicals, Inc.			
Gowen's 14% Toxaphene 7% DDT			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.25	
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell Toxaphene-DDT Emulsion 4-2			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.45	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.21	
Meherrin Agricultural and Chemical Co.			
Red Kay DDT-Toxaphene 7-14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.06	
Niagara Chemical Div. FMC Corp.			
Niagara DDT 7 Toxaphene 14 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.97	
Niagara Toxaphene 4 DDT 2 Emulsifiable			
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Theoretical chlorine.....	34.96	36.98	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Olin Mathieson Chemical Corp.			
Mathieson Toxaphene 14-DDT 7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.07	
Pee Dee Chemicals, Inc.			
Palmetto Brand 20% Toxaphene 10% DDT			
Toxaphene.....	20.00		Passed
DDT.....	10.00		
Theoretical chlorine.....	18.40	18.53	
W. R. Peele Company, Inc.			
Pelco 14-7 Toxaphene DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.34	
Pelco Toxaphene-DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.37	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	38.28	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.45	
Planters Chemical Corp.			
Planters Toxaphene DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	36.68	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	35.83	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	35.88	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Royster Chemical Co.			
Royster Chem-Pest Cotton "714" Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.51	
Royster Chem-Pest Cotton "204" Spray DDT-Toxaphene			
Toxaphene.....	39.40		Passed
DDT.....	19.50		
Theoretical chlorine.....	36.15	35.54	
Toxaphene.....	39.40		Passed
DDT.....	19.50		
Theoretical chlorine.....	36.15	34.89	
Toxaphene.....	39.40		Passed
DDT.....	19.50		
Theoretical chlorine.....	36.15	36.30	
Smith-Douglass Company, Inc.			
Smith-Douglass Toxaphene-DDT Emulsion Concentrate			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	35.94	
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	35.08	
Southern Agricultural Chemicals, Inc.			
Royal Brand Toxaphene 14-DDT 7 Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.16	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.43	
Royal Brand Toxaphene-DDT 4-2 Emulsifiable			
Toxaphene.....	39.50		Passed
DDT.....	19.70		
Theoretical chlorine.....	36.32	37.05	
Swift and Co.			
Agricultural Chemical Div.			
Swift's Gold Bear 7% DDT-14% Toxaphene DV7-14D			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.06	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	12.70	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Taylor Chemical Co.			
Superkill 14% Toxaphene-7% DDT Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.98	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Theoretical chlorine.....	12.88	13.25	
Superkill 4:2 Toxaphene-DDT			
Toxaphene.....	40.00		Passed
DDT.....	20.00		
Theoretical chlorine.....	36.80	37.28	
United Co-Operatives, Inc.			
Unico "42" Cotton Spray			
Toxaphene.....	38.70		Passed
DDT.....	19.30		
Theoretical chlorine.....	35.58	36.16	
Unico Cotton Bug Blaster			
Toxaphene.....	37.30		Passed
DDT.....	18.70		
Theoretical chlorine.....	34.34	35.51	
TOXAPHENE-DDT-METHYL PARATHION			
Armour Agricultural Chemical Co.			
Armagard Toxaphene-DDT-Methyl Parathion Cotton Dust			
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Methyl parathion.....	2.00	1.85	
Theoretical chlorine.....	12.88	12.97	
Cape Fear Chemicals, Inc.			
Tiger Brand 2-4-5 Supreme Cotton Spray			
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	5.24	
Theoretical chlorine.....	36.80	31.13	
Carolina Chemical Corp.			
Big Killer			
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Methyl parathion.....	1.00	0.91	
Theoretical chlorine.....	12.88	12.51	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Flight Brand Methyl Parathion-Toxaphene-DDT Dust			
Toxaphene.....	14.00		Deficient
DDT.....	7.00		
Methyl parathion.....	2.00	1.80	
Theoretical chlorine.....	12.88	13.62	
Champion 4-2-5 Super Cotton Spray			
Toxaphene.....	40.00		Deficient Not Registered
DDT.....	20.00		
Methyl parathion.....	5.00	4.45	
Theoretical chlorine.....	36.80	35.58	
Coastal Chemical Corp.			
Tox-DDT Par Cotton Spray Emulsifiable Concentrate			
Toxaphene.....	38.80		Deficient
DDT.....	19.45		
Methyl parathion.....	4.85	4.28	
Theoretical chlorine.....	35.73	36.17	
Toxaphene.....	38.80		Passed
DDT.....	19.45		
Methyl parathion.....	4.85	4.76	
Theoretical chlorine.....	35.73	34.70	
Daly-Herring Co.			
Tri-Tox Cotton Spray Emulsifiable Concentrate			
Toxaphene.....	38.00		Passed
DDT.....	19.00		
Methyl parathion.....	0.48	Present	
Theoretical chlorine.....	34.96	35.77	
Farmers Cooperative Exchange, Inc.			
FCX "421" Cotton Spray			
Toxaphene.....	37.30		Deficient
DDT.....	18.70		
Methyl parathion.....	9.40	8.67	
Theoretical chlorine.....	34.34	34.38	
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Cotton Spray-Plus			
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	4.66	
Theoretical chlorine.....	36.80	35.61	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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W. R. Peele Company, Inc.**Pelco 2-4-5 Super Cotton Spray Emulsion Concentrate**

Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	4.45	
Theoretical chlorine.....	36.80	35.64	
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	4.66	
Theoretical chlorine.....	36.80	36.29	
Toxaphene.....	40.00		Deficient
DDT.....	20.00		
Methyl parathion.....	5.00	4.64	
Theoretical chlorine.....	36.80	37.30	

Planters Chemical Corp.**Planters Special Cotton Spray**

Toxaphene.....	38.82		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.58	
Theoretical chlorine.....	35.78	34.88	
Toxaphene.....	38.82		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.58	
Theoretical chlorine.....	35.78	34.75	
Toxaphene.....	38.82		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.68	
Theoretical chlorine.....	35.78	34.11	
Toxaphene.....	38.82		Deficient
DDT.....	19.45		
Methyl parathion.....	6.08	4.49	
Theoretical chlorine.....	35.78	35.08	

Southern Agricultural Chemicals, Inc.**Royal Brand Triple Kill Dust**

Toxaphene.....	15.00		Deficient
DDT.....	4.00		Not
Methyl parathion.....	1.00	0.76	Registered
Theoretical chlorine.....	12.05	11.96	

Swift and Co.**Agricultural Chemical Div.****Swift's Gold Bear Super Guard 215D**

Toxaphene.....	10.00		Deficient
DDT.....	5.00		
Methyl parathion.....	2.50	1.51	
Theoretical chlorine.....	9.20	9.49	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Taylor Chemical Co.

Superkill 4-2-5 Tox-DDT-Methyl Parathion

Toxaphene.....	39.00		Deficient
DDT.....	19.00		
Methyl parathion.....	5.00	3.99	
Theoretical chlorine.....	35.63	35.53	

United Co-Operatives, Inc.

Unico "421" Cotton Spray

Toxaphene.....	37.30		Passed
DDT.....	18.70		
Methyl parathion.....	9.30	9.26	
Theoretical chlorine.....	34.34	35.79	

Woolfolk Chemical Works, Ltd.

Security Brand Super 3-Way Cotton Spray 4-2-1

Toxaphene.....	38.40		Deficient
DDT.....	19.20		
Methyl parathion.....	9.60	8.75	
Theoretical chlorine.....	35.33	35.04	

TOXAPHENE-DDT-PARATHION**Daly-Herring Co.**

Dee Aitch 14% Toxaphene 7% DDT 1% Parathion

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.09	
Theoretical chlorine.....	12.88	13.25	
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.07	
Theoretical chlorine.....	12.88	12.79	

GurMiCo Chemicals, Inc.

GurMiCo 7% DDT 14% Toxaphene 1% Parathion Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	0.96	
Theoretical chlorine.....	12.88	12.42	

Olin Mathieson Chemical Corp.

Mathieson Super X Plus Cotton Dust

Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	1.07	
Theoretical chlorine.....	12.88	13.07	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
W. R. Peele Company, Inc.			
Pelco 14-7-1 Toxaphene DDT Parathion Dust			
Toxaphene.....	14.00		Passed
DDT.....	7.00		
Parathion.....	1.00	0.96	
Theoretical chlorine.....	12.88	13.16	
TOXAPHENE-MALATHION			
Thuron Industries, Inc.			
Starbar Div.			
Starbar Lintox-M Livestock Spray and Dip			
Toxaphene.....	43.00	43.51	Passed
Malathion.....	4.30	4.28	
Toxaphene.....	43.00	43.62	Passed
Malathion.....	4.30	4.22	
TOXAPHENE-PARATHION			
Mike, Inc.			
101 Brand Pre-Heading Cabbage Dust			
Toxaphene.....	10.00	10.00	Passed
Parathion.....	1.50	1.44	
101 Brand 2-20 Cabbage Dust			
Toxaphene.....	20.00	19.29	Passed
Parathion.....	2.00	1.96	
Southern Agricultural Insecticides, Inc.			
SA-50 Brand Pre-Heading Cabbage Dust with Toxaphene and Parathion			
Toxaphene.....	10.00	10.35	Passed
Parathion.....	1.50	1.65	
Toxaphene.....	10.00	10.42	Passed
Parathion.....	1.50	1.61	
Toxaphene.....	10.00	10.99	Passed
Parathion.....	1.50	1.61	
Toxaphene.....	10.00	10.21	Passed
Parathion.....	1.50	1.67	
Toxaphene.....	10.00	10.85	Passed
Parathion.....	1.50	1.63	
Toxaphene.....	10.00	10.36	Passed
Parathion.....	1.50	1.53	
Toxaphene.....	10.00	9.79	Passed
Parathion.....	1.50	1.46	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
SA-50 Brand Pre-Heading Cabbage Dust with Toxaphene and Parathion (Continued)			
Toxaphene.....	10.00	9.93	Passed
Parathion.....	1.50	2.15	
Toxaphene.....	10.00	10.28	Passed
Parathion.....	1.50	1.57	
Toxaphene.....	10.00	10.50	Passed
Parathion.....	1.50	1.63	
Toxaphene.....	10.00	10.86	Passed
Parathion.....	1.50	1.50	
Toxaphene.....	10.00	10.43	Passed
Parathion.....	1.50	1.65	
Toxaphene.....	10.00	9.85	Passed
Parathion.....	1.50	2.01	
Toxaphene.....	10.00	10.00	Passed
Parathion.....	1.50	1.50	
Toxaphene.....	10.00	10.28	Passed
Parathion.....	1.50	1.48	

SA-50 Brand Pre-Head Dust 2-20

Toxaphene.....	20.00	19.42	Passed
Parathion.....	2.00	2.09	
Toxaphene.....	20.00	20.28	Passed
Parathion.....	2.00	2.07	
Toxaphene.....	20.00	20.28	Passed
Parathion.....	2.00	2.13	
Toxaphene.....	20.00	20.57	Passed
Parathion.....	2.00	2.11	
Toxaphene.....	20.00	20.85	Passed
Parathion.....	2.00	1.98	
Toxaphene.....	20.00	20.28	Passed
Parathion.....	2.00	2.17	
Toxaphene.....	20.00	20.56	Passed
Parathion.....	2.00	2.15	
Toxaphene.....	20.00	20.86	Passed
Parathion.....	2.00	2.17	
Toxaphene.....	20.00	20.85	Passed
Parathion.....	2.00	2.07	

TOXAPHENE-ZINEB

Planters Chemical Corp.

Planters Toxaphene-Zineb Dust

Toxaphene.....	10.00	9.79	Deficient
Zineb.....	3.90	3.56	

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
TRITHION			
Taylor Chemical Co.			
Superkill Trithion 2 Dust			
Trithion.....	2.00	1.90	Passed
Woolfolk Chemical Works, Ltd.			
Security Brand 2% Trithion Dust			
Trithion.....	2.00	2.37	Passed
VERNAM			
Stauffer Chemical Co.			
Stauffer Vernam 6-E Emulsifiable Liquid			
Vernam.....	75.90	81.63	Passed
do.....	75.90	77.76	Passed
WARFARIN			
Black Leaf Products Co.			
Warf Mouse Killer			
Warfarin.....	0.025	0.047	Not Registered
New Warf Mouse Killer			
Warfarin.....	0.050	0.056	Passed
Carolina Feed Store			
Carolina's Rat Bait			
Warfarin.....	0.025	0.025	Passed
Dacus Drug Company, Inc.			
Kilz Rat and Mouse Killer			
Warfarin.....	0.025	0.025	Passed
The d-Con Company, Inc.			
d-Con Mouse-Prufe			
Warfarin, sodium salt.....	0.054	0.060	Passed
do.....	0.054	0.060	Passed
do.....	0.054	0.061	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Dun-Win Company and Goulds "Dell" Products			
Flavorized Rat Kakes			
Warfarin.....	0.025	0.028	Passed
do.....	0.025	0.030	Passed
do.....	0.025	0.028	Passed
Farmers Cooperative Exchange, Inc.			
FCX Ready-to-Use Trackdown Rat & Mouse Bait			
Warfarin.....	0.025	0.028	Passed
Getem Manufacturing Company, Inc.			
Getem Rat and Mouse Bait			
Warfarin.....	0.025	0.029	Passed
Hess and Clark Division of Richardson-Merrell, Inc.			
Hess and Clark New Warfarat with Prolin			
Warfarin.....	0.025	0.027	Passed
Warfarat Pellets			
Warfarin.....	0.025	0.030	Not Registered
Hopkins Agricultural Chemical Co.			
Hopkins Prolin Redi-Mix Rat and Mouse Killer			
Warfarin.....	0.025	0.029	Passed
Hydroponic Chemical Company, Inc.			
Raponex Mouse Killer Bait			
Warfarin.....	0.025	0.024	Passed
Dr. LeGear, Inc.			
Dr. LeGear Prolin Mouse Bait			
Warfarin.....	0.025	0.027	Passed
do.....	0.025	0.029	Passed
do.....	0.025	0.026	Passed
Progress Chemical Co.			
Ratchek Prolin Pellets			
Warfarin.....	0.025	0.026	Passed
do.....	0.025	0.028	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Seacoast Laboratories, Inc.			
Twin Light Rat Bait			
Warfarin.....	0.025	0.025	Passed
do.....	0.025	0.025	Passed
The Sterling Company, Inc.			
Warfarin Mouse Diner			
Warfarin.....	0.025	0.025	Passed
ZINEB			
California Chemical Company-Ortho Div.			
Ortho Zineb Wettable			
Zineb.....	75.00	75.65	Passed
Cape Fear Chemicals, Inc.			
Tiger Brand 10% Dithane Dust			
Zineb.....	6.50	4.11	Deficient
Carolina Chemical Corp.			
10% Dithane Z-78 Dust			
Zineb.....	6.50	6.37	Passed
do.....	6.50	6.31	Passed
Coastal Chemical Corp.			
Coastal 10% Dithane Dust			
Zineb.....	6.50	6.23	Passed
Farmers Cooperative Exchange, Inc.			
FCX 6.5% Zineb Dust			
Zineb.....	6.50	6.61	Passed
do.....	6.50	3.15	Deficient
W. R. Grace and Co. Davison Chemical Div.			
Maxwell 10% Dithane Dust			
Zineb.....	6.50	6.57	Passed
Maxwell Insecticide Company, Inc. (Now: W. R. Grace and Co. Davison Chemical Div.)			
Maxwell 10% Dithane Dust			
Zineb.....	6.50	5.27	Deficient

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
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Planters Chemical Corp.

Planters Zineb Dust

Zineb.....	6.50	5.40	Deficient
do.....	6.50	7.01	Passed

Royster Chemical Co.

Royster Chem-Pest "65"

Zineb.....	6.50	6.54	Passed
do.....	6.50	5.31	Deficient
do.....	6.50	5.58	Deficient

Smith-Douglass Company, Inc.

Smith-Douglass 6½ % Zineb Dust

Zineb.....	6.50	5.90	Deficient
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ZINEB-PARATHION**Farmers Cooperative Exchange, Inc.**

FCX 6½ % Zineb-1 % Parathion

Zineb.....	6.50	7.01	Deficient
Parathion.....	1.00	0.90	

MISCELLANEOUS INORGANIC**American Cyanamid Co.**

Cyanamid Aero Cyanamid Granular

Calcium cyanamide.....	47.00	50.12	Passed
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Pocatello Supply Depot
Bureau Sport Fisheries and Wildlife
 (Registered by Rodent Control Fund,
 N. C. State University)

Zinc Phosphide Rodenticide

Zinc phosphide.....	63.00	65.88	Passed
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MISCELLANEOUS ORGANIC**Amchem Products, Inc.**

Amchem Amiben Soybean Weedkiller

Amiben.....	23.40	21.83	Deficient
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Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Boyle-Midway Inc.			
Woolite Moth Spray			
Strobane.....	5.00		Deficient
Paradichlorobenzene.....	5.00		
Theoretical chlorine.....	5.71	3.41	
California Chemical Company-Ortho Div.			
Ortho Phosphamidon 8 Spray			
Phosphamidon.....	80.00	93.98	Excessive Active Ingredient
Chipman Chemical Company, Inc.			
Butoxone SB			
Dimethylamine salt of 4-(2,4-di- chlorophenoxy)-butyric acid.....	23.00	25.68	Passed
The Dill Company, Inc.			
Dill's All-Over Flea Powder			
Lethane 60.....	2.00	2.29	Passed
E-Z-Flo Chemical Co. (Registered by Taylor Chemical Co.)			
E-Z-Flo Sucker Dope			
Aromatic petroleum derivative solvent.....	98.50	97.91	Passed
Dr. Hess and Clark, Inc. (Now: Hess and Clark Division of Richardson-Merrell, Inc.)			
Dr. Hess Liquid Louse Killer			
Nicotine.....	40.00	39.53	Not Registered
Hydroponic Chemical Company, Inc.			
Nibonex No-Nib'I Rabbit Repellent			
Ziram.....	23.00	22.66	Passed
Niagara Chemical Div. FMC Corp.			
Niagara Ethion 4 Miscible			
Ethion.....	46.50	44.65	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
Parramore and Griffin Seed Company, Inc.			
Cro-go			
Hardwood oils.....	7.50	7.52	Passed
Rohm and Haas Co.			
Kelthane E C Agricultural Miticide Emulsifiable Concentrate			
Kelthane.....	18.50	19.22	Passed
O. M. Scott and Sons			
Scotts Halts			
Polychlorodicyclopentadiene isomers.....	12.50		Passed
Chlorine.....	7.63	8.03	
Kansel			
2-(2,4,5-trichlorophenoxy propionic acid, propylene glycol butyl ether esters).....	2.70	2.72	Passed
Shell Chemical Co.			
Azodrin 5 Insecticide			
Azodrin.....	56.00	69.33	Excessive Active Ingredient
Shell DD Soil Fumigant			
Chlorinated C ₈ hydrocarbons.....	100.00		Passed
Chlorine.....	55.00	55.12	
Sudbury Laboratory			
Caperone Rabbit and Deer Repellent			
Thiram.....	7.00	6.70	Passed
Thuron Industries, Inc. Starbar Div.			
Starbar Simax with Ciodrin			
Ciodrin.....	14.40	15.22	Passed
Tavolek Laboratories Division of McNeil Labs.			
Raticate Foam Bait Common Brown Rat Killer			
Norbormide.....	0.92	0.92	Passed

Manufacturers and Brands	Guaranteed Per Cent	Found Per Cent	Decisions
United States Rubber			
Naugatuck Chemical Div.			
MH-30			
Diethanolamine salt of 6-hydroxy- 3 (2H)-pyridazinone.....	58.00	57.98	Passed
Vestal Laboratories, Inc.			
Division of W. R. Grace and Co.			
Environ-D			
O-benzyl p-chlorophenol.....	5.00		Passed
Hexachlorophene.....	0.40		
Theoretical chlorine.....	1.02	0.90	
V-C Chemical Co.			
Division of Socony Mobile Oil Company, Inc.			
V-C Folex Emulsifiable Concentrate			
Folex.....	75.00	87.21	Excessive Active Ingredient

